Delfield®

Specification Line®

Installation, Use and Care Manual

Please read this manual completely before attempting to install or operate this equipment! Notify carrier of damage! Inspect all components immediately. See page 3.

CAUTION

IMPORTANT INFORMATION
READ BEFORE USE
PLEASE SAVE THESE INSTRUCTIONS!

August 2010

Manitowoc

Important Warning And Safety Information

WARNING

Read this manual thoroughly before operating, installing, or performing maintenance on the equipment.

FAILURE TO FOLLOW INSTRUCTIONS IN THIS MANUAL CAN CAUSE PROPERTY DAMAGE, INJURY OR DEATH.

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS OR LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

UNLESS ALL COVER AND ACCESS PANELS ARE IN PLACE AND PROPERLY SECURED, DO NOT OPERATE THIS EQUIPMENT.

DAMP OR WET HANDS MAY STICK TO COLD SURFACES.

ALLOW HEATED EQUIPMENT TO COOL DOWN BEFORE ATTEMPTING TO CLEAN OR SERVICE.

CAUTION

Observe the following:

- Minimum clearances must be maintained.
- Keep the equipment area free and clear of combustible material.
- Allow adequate clearance for air openings.
- Operate equipment only on the type of electricity indicated on the specification plate.
- Unplug the unit before making any repairs.
- Retain this manual for future reference.

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Serial Number Location

The serial number is on the identification plate that also includes the model number. A typical identification plate is shown below. On refrigeration and freezer unit the identification plate is located inside the right most door near the top front corner of the right interior wall. On heated units, the identification plate is located in the shroud area on the right side panel.

Always have the serial number of your unit available when calling for parts or service. A complete list of authorized Delfield parts depots can be found at www.delfield.com.

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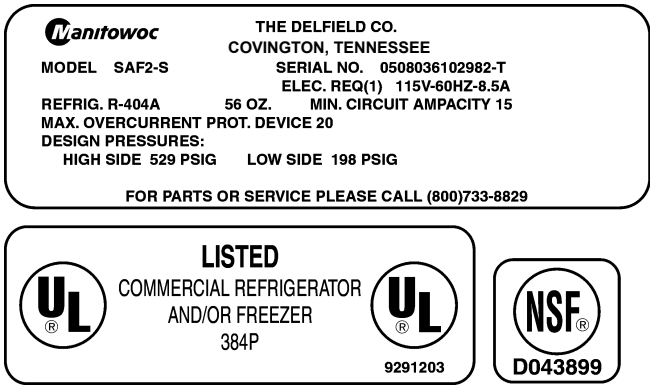


Receiving And Inspecting The Equipment

Even though most equipment is shipped crated, care should be taken during unloading so the equipment is not damaged while being moved into the building.

1. Visually inspect the exterior of the package an skid or container. Any damage should be noted and reported to the delivering carrier immediately.
2. If damaged, open and inspect the contents with the carrier.
3. In the event that the exterior is not damaged, yet upon opening, there is concealed damage to the equipment notify the carrier. Notification should be made verbally as well as in written form.
4. Request an inspection of the concealed equipment. This should be done within 10 days from receipt of the equipment.
5. Check the lower portion of the unit to be sure legs or casters are not bent.
6. Also open the compressor compartment housing and visually inspect the refrigeration package. Be sure lines are secure and base is still intact.
7. Freight carriers can supply the necessary forms upon request.
8. Retain all crating material until an inspection has been made or waived.

Uncrating the Equipment

First cut and remove the banding from around the crate. Remove the front of the crate material, use of some tools will be required. If the unit is on legs remove the top of the crate as well and lift the unit off the skid. If the unit is on casters it can be "rolled" off the skid.

Model Numbers

Series	Finish	Temp	Configuration	Section	Size	System	Doors
S=Specification Line	S=Stainless interior & exterior A=Stainless exterior, aluminum interior M=Stainless front, aluminum sides and interior	R=Refrigerator F=Freezer H=Heated D=Dual Temp T=Thaw W=Wine	None=Reach-in PT=Pass Thru RI=Roll-in RT=Roll Thru FF=Fish Drawers RL=Refrigerator Left FL=Freezer Left TR=Top Refrigerator BR=Bottom Refrigerator TP=Top Refrigerator Pass Thru BP=Bottom Refrigerator Pass Thru RP=Refrigerator Left Pass Thru FP=Freezer Left Pass Thru	1=1 Section 2=2 Section 3=3 Section	None=Standard N=Narrow S=Shallow	None=Standard E=Export Voltage R=Remote	S=Solid Full SH=Solid Half G=Hinged Glass Full GH=Hinged Glass Half SL=Sliding Glass Full SLH=Sliding Glass Half SLS=Sliding Solid Full SLSH=Sliding Solid Half D=Drawers

Introduction

Model numbers starting with the letters “SS” have a stainless steel exterior and interior. Model numbers starting with the letters “SA” have an aluminum interior and a stainless steel exterior. Model numbers starting with the letters “SM” have an aluminum interior and exterior with a stainless steel front and shroud. Door gaskets are magnetic and mount to the door, snapping in place and are removable without tools. Keyed door lock is mounted in the door next to the handle.

Doors can be removed from the cabinet without the use of tools. Each door has two edge mount, self-closing, cam lift style hinges.

Refrigeration System

All components are mounted to the exterior cabinet ceiling, outside the food zone and are assembled as one-piece and can be removed as one-piece. Environmentally friendly R404A refrigerant is used. The system has the capability of maintaining between 27°F and 40°F (-3°C and 4°C) in heavy use food service operations. Refrigerant is metered using a highly responsive thermostatic expansion valve. Systems are controlled using Delfield’s ETC1 Electronic Temperature Control. It provides improved pull down times, reducing compressor cycling and longer compressor life with lower energy consumption. Control system uses adaptive defrost to assure evaporator coil is free of ice and operating at optimum efficiency. Evaporator condensate is eliminated using an energy efficient hot gas system.

Freezer Refrigeration System

All components are mounted to the exterior cabinet ceiling, outside the food zone and are assembled as one-piece and can be removed as one-piece. Environmentally friendly R404A refrigerant is used. The system has the capability of maintaining between -5°F and 0°F (-21°C and -18°C) in heavy use food service operations. Refrigerant is metered using a highly responsive thermostatic expansion valve. System is controlled using Delfield’s ETC1 Electronic Temperature Control, which provides improved pull down times, reducing compressor cycling and longer compressor life with lower energy consumption. Control system uses adaptive defrost to assure evaporator coil is free of ice and operating at optimum efficiency. Evaporator condensate is eliminated using an energy efficient hot gas system.

Heating System

Heating system cabinets are designed to maintain temperatures between 120°F and 200°F (49°C and 93°C). Heating elements are helical shaped, with tubular fins. A circulating fan provides uniform airflow in the cabinet. The entire heating system is mounted to the exterior of the cabinet ceiling, outside the food zone. It is assembled as one piece and can be removed as one piece. An adjustable electronic thermostat controls temperature. The system ON/OFF switch is located on the front exterior of the cabinet.

Dual Temperature Refrigeration/Freezer

Each compartment has its own separate refrigeration system. Condensing units are located on top of the cabinet, outside the food zone, behind the upper shroud. Evaporator coils are located inside the cabinet mounted to the interior ceiling of each compartment. Defrost is automatic. Condensate travels down a tube in the cabinet sidewall to a receptacle mounted to the exterior bottom of the cabinet where it evaporates with the aid of an electric heater. Each compartment’s temperature is individually monitored and controlled with Delfield's ETC1 Electronic Temperature Control. Two exterior digital thermometers monitor temperature. Refrigerator compartment maintains temperature between 33°F and 41°F (1°C and 5°C). Freezer compartment maintains temperature between -5°F and +5°F (-21°C and -15°C). Refrigerant is metered using a highly responsive thermostatic expansion valve.

Ready Thaw

Ready Thaw is designed to thaw frozen food under controlled temperature conditions in approximately 18 hours and then hold it at normal refrigerator temperatures. This unit uses a standard refrigeration system mounted to the exterior cabinet ceiling coupled with a heater and fan mounted in the center of the refrigerated cabinet. The unit will operate as a standard refrigerator and maintain a temperature of between 33°F and 41°F (1°C and 5°C)until a quantity of frozen product drops the temperature below 20°F (7°C). The control will then automatically cycle the heater and fan to begin the thaw process. After the product is thawed, the electronic control will turn off the heater and fan and return to standard refrigeration operation.

Specifications

Reach-In Refrigerators - Hinged Doors - Standard Width & Depth

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSR1-S,SH,G,GH SAR1-S,SH,G,GH SMR1-S,SH,G,GH	115	6.8	24.96	12.81	3	1/4	2092	12.5	418lbs/ 190kg	5-15P	2.64
SSR2-S,SH,G,GH SAR2-S,SH,G,GH SMR2-S,SH,G,GH	115	9.0	51.92	27.54	6	1/3	3226	19	650lbs/ 295kg	5-15P	4.51
SSR3-S,SH,G,GH SAR3-S,SH,G,GH SMR3-S,SH,G,GH	115	16.0	78.89	42.47	9	1/2	5465	24	830lbs/ 376kg	5-20p	5.51

Reach-In Refrigerators - Hinged Doors - Narrow Width

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSR1N-S,SH SAR1N-S,SH SMR1N-S,SH	115	6.8	20.97	10.59	3	1/4	2092	12.5	398lbs/ 181kg	5-15P	3.16
SSR1N-G,GH SAR1N-G,GH SMR1N-G,GH	115	6.8	20.97	10.59	3	1/4	2092	12.5	398lbs/ 181kg	5-15P	4.04
SSR2N-S,SH SAR2N-S,SH SMR2N-S,SH	115	9.0	43.94	23.10	6	1/3	3226	19	588lbs/ 267kg	5-15P	4.31
SSR2N-G,GH SAR2N-G,GH SMR2N-G,GH	115	9.0	43.94	23.10	6	1/3	3226	19	588lbs/ 267kg	5-15P	5.95

Reach-In Refrigerators - Hinged Doors - Shallow Depth

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSR1S-S,SH SAR1S-S,SH SMR1S-S,SH	115	6.8	18.25	12.81	3	1/4	2092	12.5	396lbs/ 180kg	5-15P	2.66
SSR1S-G,GH SAR1S-G,GH SMR1S-G,GH	115	6.8	18.25	12.81	3	1/4	2092	12.5	396lbs/ 180kg	5-15P	3.55
SSR2S-S,SH SAR2S-S,SH SMR2S-S,SH	115	7.8	37.96	27.54	6	1/3	2488	19	586lbs/ 266kg	5-15P	2.98
SSR2S-G,GH SAR2S-G,GH SMR2S-G,GH	115	7.8	37.96	27.54	6	1/3	2488	19	586lbs/ 266kg	5-15P	5.24
SSR3S-S,SH SAR3S-S,SH SMR3S-S,SH	115/ 208-230	7.8	57.57	42.47	9	1/2	5465	24	795lbs/ 361kg	N/A	7.49
SSR3S-G,GH SAR3S-G,GH SMR3S-G,GH	115	8.9	57.57	42.47	9	1/2	3637	17	795lbs/ 361kg	N/A	9.14

Specifications, continued

Reach-In Refrigerators - Sliding Doors

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSR2-SLS,SLSH, SLG,SLGH SAR2-SLS,SLSH, SLG,SLGH SMR2-SLS,SLSH, SLG,SLGH	115	9.0	51.92	27.54	6	1/3	3226	19	670lbs/ 304kg	5-15P	N/A
SSR2S-SLS,SLSH, SLG,SLGH SAR2S-SLS,SLSH, SLG,SLGH SMR2S-SLS,SLSH, SLG,SLGH	115	7.8	37.96	27.54	6	1/3	2488	12.5	670lbs/ 304kg	5-15P	N/A

Reach-In Refrigerator/Freezer Combinations - Dual Temps - Hinged Doors - Standard Width & Depth

Model	Section	V	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/ HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSDTR1-SH, SSDBR1-SH, SADTR1-SH, SADBR1-SH, SMDTR1-SH, SMDBR1-SH	Refrigerator	115	12.0	10.81	4.23	2	1/5	1543	11	525lbs/ 238kg	5-20P	6.70
	Freezer	115		10.81	4.23	2	1/4	1260	12			
SSDTR1-GH, SSDBR1-GH, SADTR1-GH, SADBR1-GH, SMDTR1-GH, SMDBR1-GH	Refrigerator	115	12.0	10.81	4.23	2	1/5	1543	11	525lbs/ 238kg	5-20P	N/A
	Freezer	115		10.81	4.23	2	1/4	1260	12			
SSDRL2-S,SH,G,GH SSDFL2-S,SH,G,GH SADRL2-S,SH,G,GH SADFL2-S,SH,G,GH SMDRL2-S,SH,G,GH SMDFL2-S,SH,G,GH	Refrigerator	115	6.8	24.96	12.81	3	1/4	2092	12.5	730lbs/ 331kg	5-15P	N/A
	Freezer	115	7.8	24.96	12.81	3	1/2	1516	12.5		5-15P	

Pass-Thru Refrigerator/Freezer Combinations - Dual Temps - Hinged Doors - Standard Width & Depth

Model	Section	V	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/ HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSDTP1-SH,GH SSDBP1-SH,GH SADTP1-SH,GH SADBP1-SH,GH SMDTP1-SH,GH SMDBP1-SH,GH	Refrigerator	115	14.0	12.19	4.23	2	1/5	1543	10	525lbs/ 238kg	5-20P	N/A
	Freezer	115		12.19	4.23	2	1/3	1260	12			
SSDRP2-S,SH, SSDFP2-S,SH SADRP2-S,SH, SADFP2-S,SH SMDRP2-S,SH, SMDFP2-S,SH	Refrigerator	115	6.8	24.96	12.81	3	1/4	2092	19	730lbs/ 331kg	5-15P	N/A
	Freezer	115	11.5	24.96	12.81	3	3/4	1923	12.5		5-15P	

Specifications, continued

Reach-In Hot Food Cabinets - Hinged Doors - Standard Width & Depth

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	Shipping Weight	NEMA Plug	Energy (KWH)
SSH1-S,SH,G,GH SAH1-S,SH,G,GH SMH1-S,SH,G,GH	120/208-240	9.0	24.96	12.81	3	418lbs/190kg	N/A	N/A
SSH2-S,SH,G,GH SAH2-S,SH,G,GH SMH2-S,SH,G,GH	120/208-240	16.0	51.92	27.54	6	650lbs/295kg	N/A	N/A
SSH3-S,SH,G,GH SAH3-S,SH,G,GH SMH3-S,SH,G,GH	120/208-240	17.8	78.89	42.47	9	830lbs/376kg	N/A	N/A

Reach-In Hot Food Cabinets - Hinged Doors - Narrow Width

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	Shipping Weight	NEMA Plug	Energy (KWH)
SSH2N-S,SH SAH2N-S,SH SMH2N-S,SH	120/208-240	16.0	43.94	27.54	6	588lbs/267kg	N/A	N/A

Pass-Thru Hot Food Cabinets - Hinged Doors - Standard Width & Depth

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	Shipping Weight	NEMA Plug	Energy (KWH)
SSHPT1-S,SH SAHPT1-S,SH SMHPT1-S,SH	120/208-240	9.0	26.96	12.81	3	398lbs/181kg	N/A	N/A
SSHPT2-S,SH SAHPT2-S,SH SMHPT2-S,SH	120/208-240	16.0	51.92	27.54	6	650lbs/295kg	N/A	N/A

Specifications, continued

Reach-In Freezers - Hinged Doors - Standard Width & Depth

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSF1-S,SH SAF1-S,SH SMF1-S,SH	115	7.8	24.96	12.81	3	1/2	1516	12.5	440lbs/ 200kg	5-15p	7.63
SSF1-G,GH SAF1-G,GH SMF1-G,GH	115	11.5	24.96	12.81	3	3/4	1923	12.5	440lbs/ 200kg	5-15p	11.29
SSF2-S,SH SAF2-S,SH SMF2-S,SH	115	14.3	51.92	27.54	6	3/4	2648	17	710lbs/ 322kg	5-20P	15.16
SSF2-G,GH SAF2-G,GH SMF2-G,GH	115/ 208-230	10.0	51.92	27.54	6	1	4793	30	710lbs/ 322kg	N/A	19.95
SSF3-S,SH SAF3-S,SH SMF3-S,SH	115/ 208-230	10.0	78.89	42.47	9	1	4793	30	960lbs/ 435kg	N/A	16.26
SSF3-G,GH SAF3-G,GH SMF3-G,GH	115/ 208-230	11.4	78.89	42.47	9	1	5940	72	960lbs/ 435kg	N/A	29.07

Reach-In Freezers - Hinged Doors - Narrow Width

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSF1N-S,SH SAF1N-S,SH SMF1N-S,SH	115	7.8	20.97	10.59	3	1/2	1516	12.5	408lbs/ 185kg	5-15p	7.58
SSF2N-S,SH SAF2N-S,SH SMF2N-S,SH	115	14.3	43.94	23.10	6	3/4	2648	17	680lbs/ 308kg	5-20P	11.13

Reach-In Freezers - Hinged Doors - Shallow Depth

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSF1S-S,SH SAF1S-S,SH SMF1S-S,SH	115	7.8	18.25	8.98	3	1/2	1516	12.5	406lbs/ 184kg	5-15p	8.04
SSF2S-S,SH SAF2S-S,SH SMF2S-S,SH	115	11.5	37.96	19.04	6	3/4	1923	17	676lbs/ 307kg	5-15P	10.55
SSF3S-S,SH SAF3S-S,SH SMF3S-S,SH	115/ 208-230	11.5	57.67	29.10	9	1	4793	30	909lbs/ 412kg	N/A	19.78

Specifications, continued

Pass-Thru Refrigerators - Hinged Doors - Standard Width

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSRPT1-S,SH SARPT1-S,SH SMRPT1-S,SH	115	6.8	26.64	12.81	3	1/4	2092	12.5	455lbs/ 206kg	5-15P	3.14
SSRPT1-G,GH SARPT1-G,GH SMRPT1-G,GH	115	7.8	26.64	12.81	3	1/3	2488	12.5	455lbs/ 206kg	5-15P	4.58
SSRPT2-S,SH SARPT2-S,SH SMRPT2-S,SH	115	16.0	55.42	27.54	6	1/2	5465	24	700lbs/ 318kg	5-20P	5.96
SSRPT2-G,GH SARPT2-G,GH SMRPT2-G,GH	115	16.0	55.42	27.54	6	1/2	5465	24	700lbs/ 318kg	5-20P	8.16
SSRPT3-S,SH SARPT3-S,SH SMRPT3-S,SH	115	16.0	84.19	42.47	9	1/2	5465	24	972lbs/ 441kg	N/A	8.84
SSRPT3-G,GH SARPT3-G,GH SMRPT3-G,GH	115/ 208-230	12.4	84.19	42.27	9	3/4	7569	48	972lbs/ 441kg	N/A	14.50

Pass-Thru Refrigerators - Hinged Doors - Shallow Depth

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSRPT1S-S,SH SARPT1S-S,SH SMRPT1S-S,SH	115	7.8	18.25	8.98	3	1/3	2488	12.5	455lbs/ 206kg	5-15P	N/A
SSRPT2S-S,SH SARPT2S-S,SH SMRPT2S-S,SH	115	16.0	37.96	19.04	6	1/2	5465	24	700lbs/ 318kg	5-20P	N/A

Pass-Thru Freezers - Hinged Doors - Standard Width

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSFPT1-S,SH SAFPT1-S,SH SMFPT1-S,SH	115	11.5	26.64	12.81	3	3/4	1923	12.5	672lbs/ 305kg	5-15p	11.30
SSFPT2-S,SH SAFPT2-S,SH SMFPT2-S,SH	115/ 208-230	10.0	55.42	27.54	6	1	4793	30	1001lbs/ 454kg	N/A	14.26
SSFPT3-S,SH SAFPT3-S,SH SMFPT3-S,SH	115/ 208-230	10.0	84.19	42.27	9	1-1/2	5185	64	1268lbs/ 575kg	N/A	33.00

Specifications, continued

Wine Cabinet Reach-In - Hinged Doors - Standard Width & Depth

Model	Voltage	Amps	Storage Capacity Ft³	Shelf Capacity Ft²	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSW1-S, SH, G, GH SAW1-S, SH, G, GH SMW1-S, SH, G, GH	115	6.8	24.96	12.81	3	1/4	2092	12.5	418lbs/ 190kg	5-15P	N/A
SSW2-S, SH, G, GH SAW2-S, SH, G, GH SMW2-S, SH, G, GH	115	9.0	51.92	27.54	6	1/3	3226	19	650lbs/ 295kg	5-15P	N/A
SSW3-S, SH, G, GH SAW3-S, SH, G, GH SMW3-S, SH, G, GH	115	16.0	78.89	42.47	9	1/2	5465	24	830lbs/ 376kg	5-20P	N/A

Fish Drawer Reach-In - Four Fish Drawers Per Section

Model	Voltage	Amps	Storage Capacity Ft³	Shelf Capacity Ft²	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSRFF1	115	6.8	24.96	N/A	N/A	1/4	2092	12.5	418lbs/ 190kg	5-15P	N/A
SSRFF2	115	9.0	51.92	N/A	N/A	1/3	3226	19	650lbs/ 295kg	5-15P	N/A

Roll-In Refrigerators

Model	Voltage	Amps	Storage Capacity Ft³	Shelf Capacity Ft²	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSRRI1-S SARRI1-S SMRRI1-S	115	6.8	36.15	N/A	N/A	1/4	2092	12.5	476lbs/ 216kg	5-15P	3.79
SSRRI1-G SARRI1-G SMRRI1-G	115	7.8	36.15	N/A	N/A	1/3	2488	12.5	476lbs/ 216kg	5-15P	5.46
SSRRI2-S SARRI2-S SMRRI2-S	115	9.0	74.72	N/A	N/A	1/3	3226	24	768lbs/ 348kg	5-15P	5.86
SSRRI2-G SARRI2-G SMRRI2-G	115	16.0	74.72	N/A	N/A	1/2	5465	24	768lbs/ 348kg	5-20P	9.28
SSRRI3-S SARRI3-S SMRRI3-S	115	16.0	113.28	N/A	N/A	1/2	5465	24	1044lbs/ 4774kg	5-20p	7.56
SSRRI3-G SARRI3-G SMRRI3-G	115/ 208-230	10.0	113.28	N/A	N/A	3/4	6920	48	1044lbs/ 4774kg	N/A	17.12

Specifications, continued

Roll-In Freezers

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSFRI1-S SAFRI1-S SMFRI1-S	115	7.8	36.15	N/A	N/A	1/2	1516	12.5	497lbs/ 225kg	5-15p	11.57
SSFRI2-S SAFRI2-S SMFRI2-S	115/ 208-230	10.0	74.12	N/A	N/A	1	4793	30	824lbs/ 374kg	N/A	21.02
SSFRI3-S SAFRI3-S SMFRI3-S	115/ 208-230	11.8	113.28	N/A	N/A	1-1/2	5394	64	1128lbs/ 512kg	N/A	25.70

Hot Food Roll-Ins

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	Shipping Weight	NEMA Plug	Energy (KWH)
SSHRI1-S,G SAHRI1-S,G SMHRI1-S,G	120/208-240	9.0	36.15	N/A	N/A	459lbs/ 208kg	N/A	N/A
SSHRI2-S, G SAHRI2-S, G SMHRI2-S, G	120/208-240	16.0	74.72	N/A	N/A	704lbs/ 319kg	N/A	N/A
SSHRI3-S, G	120/208-240	17.8	113.28	N/A	N/A	1008lbs/ 457kg	N/A	N/A

Roll-Thru Refrigerators - Hinged Doors

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	H.P.	BTU/ HR	R-404A Charge Oz.	Shipping Weight	NEMA Plug	Energy (KWH)
SSRRT1-S SARRT1-S SMRRT1-S	115	7.8	38.58	N/A	N/A	1/3	2488	12.5	514lbs/ 233kg	5-15P	3.97
SSRRT2-S SARRT2-S SMRRT2-S	115	16.0	79.74	N/A	N/A	1/2	5465	24	776lbs/ 352kg	5-20P	6.77
SSRRT3-S SARRT3-S SMRRT3-S	115/ 208-230	11.3	120.90	N/A	N/A	3/4	7569	48	1116lbs/ 506kg	N/A	8.01

Roll-Thru Hot Food Cabinets - Hinged Doors

Model	Voltage	Amps	Storage Capacity Ft^3	Shelf Capacity Ft^2	No. Of Shelves	Shipping Weight	NEMA Plug	Energy (KWH)
SSHRT1-S SAHRT1-S SMHRT1-S	120/208-240	9.0	38.58	N/A	N/A	519lbs/ 235kg	N/A	N/A
SSHRT2-S SAHRT2-S SMHRT2-S	120/208-240	16.0	79.74	N/A	N/A	836lbs/ 379kg	N/A	N/A
SSHRT3-S SAHRT3-S	120/208-240	17.8	120.90	N/A	N/A	985lbs/ 447kg	N/A	N/A

Specifications, continued

Installation

Location

Cabinets represented in this manual are intended for indoor use only. Be sure the location chosen has a floor strong enough to support the total weight of the cabinet, 1000 pounds. per door section. Reinforce the floor if necessary to provide for maximum loading. For the most efficient operation, be sure to provide good air circulation inside and out. The location should be selected so that the power cord can be connected without any extensions.

Inside Unit

Take care not to block airflow to the fans or heating elements and allow space along the front, back and sides.

Outside Unit

Be sure that the unit has access to ample air; avoid hot corners and locations near stoves and ovens. Provide a minimum clearance of 12" (30.5 cm) above the unit that is open to the front.

NOTE

Due to the unique design of the One Door Dual Temp units (ie: SSDTR1-SH), a 6" clearance is required at the back of the unit to ensure proper operation.

Door Removal

The doors can be removed during installation if necessary. Remove the door by opening the door to 90˚, lift it up and ease it out of the hinge brackets

Leg, Caster, Utility Base Installation

WARNING

Some cabinets may weigh over 1000 pounds (450 kg). Use a lifting device capable of supporting the unit when removing skid or installing legs, casters or utility base.

To install the legs, or casters refer to Figure 1. To install the utility base, refer to Figure 2. Proceed as follows:

1. Remove unit from skid.
2. Raise unit to access leg/caster mounting holes on bottom of unit.
3. Attach the legs, casters or utility base to bottom of cabinet using hex head bolts.

Leveling

After the cabinet has been placed in the desired location, cabinets with legs must be leveled. Level units from front to back and from side to side. Leveling will insure proper door operation and removal of condensate. Cabinets with casters must have the caster brake set so the cabinet cannot move.

Stabilizing

It is very important that all legs are properly adjusted to keep the cabinet level, evenly distribute the weight and to make sure the unit will not rock, lean or be unstable.

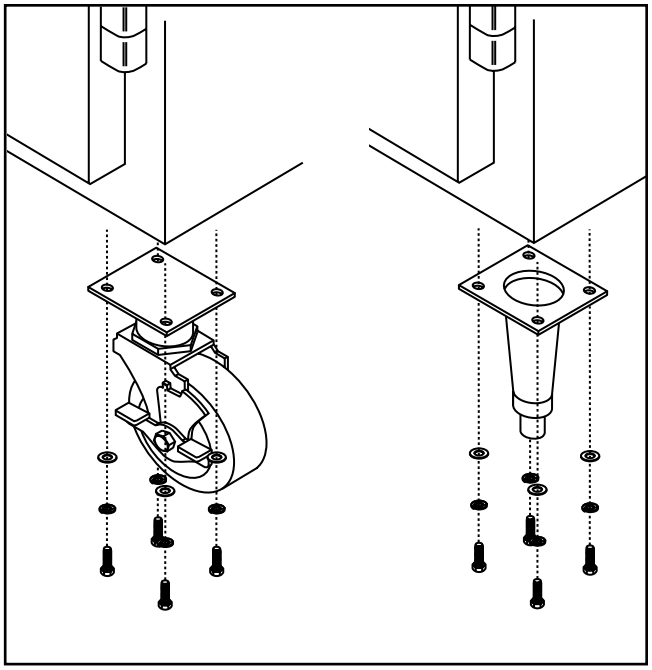


Figure 1. Leg or Caster Installation

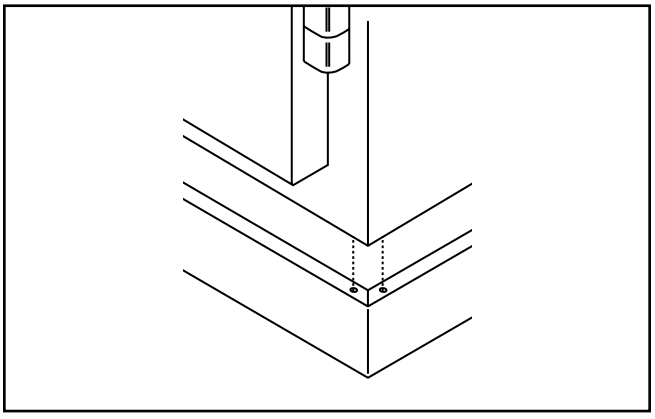


Figure 2. Utility Base Installation

Installation, continued

Electrical Connection

DANGER

Refer to the amperage data list in the SPECIFICATIONS or the serial tag data and your local code or the National Electrical Code to be sure the unit is connected to the proper power source. A protected circuit of the correct voltage and amperage must be run for connection of the supply cord or permanent connection to the unit. The power must be turned off and disconnected whenever performing maintenance or repair functions.

CAUTION

Permanently connected units must be connected in accordance with NEC Article 422 Appliances, C-Disconnecting means. It is the responsibility of the end user to provide the disconnect means to satisfy the authority having jurisdiction.

The power cords supplied with this equipment are three-pronged plugs and must be connected to a three-pronged wall outlet for proper grounding. Do not use an adapter to connect to a two-pronged outlet. The three pronged-outlet provides a ground connection which must be used to prevent a shock hazard.

CAUTION

Have the wall outlet checked by a qualified electrician to be sure a proper ground is present and that the outlet provides the correct voltage and required amperage to match the rating plate.

Any power cord that is frayed or damaged should be replaced. When disconnecting the unit from the power source, do not pull on the wire. Firmly grip the plug and remove from outlet.

The plugs shown in Figure 3 are used on the various models.

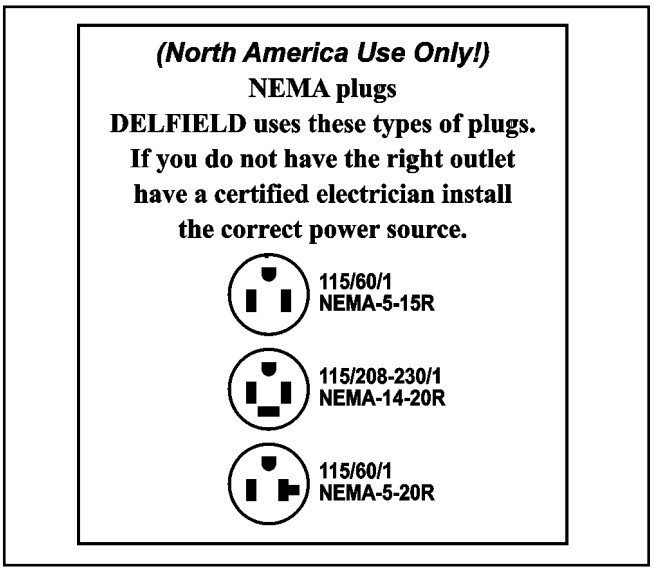


Figure 3. Plug Configurations

Electronic Temperature Control Operation

The electronic temperature control constantly monitors box temperature as well as evaporator coil temperature to maintain consistent product temperatures. The control also sends temperature readings to the digital temperature display. The control circuits continually self-check and if an error occurs, the digital display will switch from temperature read-out to error read-out, i.e. E1. Even when an error is displayed, the refrigeration and controls system should continue to function, however not at optimal performance. Whenever the display has an error read-out, Delfield Service should be contacted.

At initial start-up or anytime power is disconnected, then reconnected to the unit, the control will delay all operations for a short time (up to 10 minutes.) While in this delay period, the control initializes the control parameters and confirms that the temperature sensors and circuits are operational. The digital temperature display will not display temperature OR errors until the self-check is complete and the control has switched on the evaporator fan motor, compressor and condenser fan motor.

NOTE

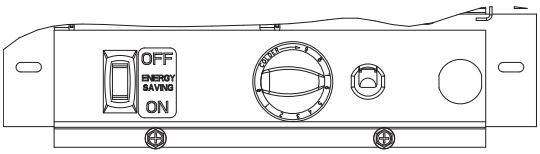
Regarding Freezers: After initializing, the control will immediately enter a DEFROST mode and the display will read DEF. The compressor and condenser fan as well as the evaporator fan will remain off until initialization defrost is complete. This initial defrost cycle may take up to 15 minutes to complete, at which time the freezing cycle will begin. The display will continue to read DEF for an additional 30 minutes before displaying temperature.

The control is located in the control box in the top of the unit behind the hinged louvered front panel. Refrigerators are factory set at mid-range to maintain about 38ºF (3ºC) box temperature. Freezers are factory set at mid-range to maintain about 3ºF (-18ºC) box temperature. To adjust for colder temperatures, turn the knob clockwise. For warmer temperatures, turn the knob counter-clockwise. Turn the knob fully counter-clockwise to turn the refrigeration system off. Never turn the knob more than 1 dial number and always allow 8 hours for temperature stabilization before making any additional adjustments.

Refrigerator:
Whenever the refrigerator is plugged in, and the control has completed initializing, the evaporator fans will operate as described in the Evaporator Operation Section. The digital temperature will display box temperature in degrees F. The temperature control will cycle the compressor and condenser fan motor to maintain box temperature at the control setting.

Refrigerator Defrost
The temperature control also monitors the evaporator temperature and will turn off the compressor and condenser fan motor when needed to allow accumulated frost on the evaporator to clear. During this defrost cycle, the digital temperature display will read dEF. After the defrost cycle is complete, the temperature control will return to a normal cooling cycle, but the display will continue to read dEF until the evaporator returns to normal cooling temperatures (up to 15 minutes).

Energy Saver Switch
The energy saver switch is a rocker switch located next to the thermostat knob that controls the amount of heat applied to the door perimeter. The normal operating position for this switch is the ON position, providing the least heat. If excessive condensation is observed on the door opening, press the energy saver switch to the OFF position, to increase the amount of heat (red portion of the rocker switch will be visible). Note: This feature is not present on Dual Temperature models.



Freezer:
Whenever the freezer is plugged in, and the control has completed initializing including the initial defrost cycle, the evaporator fans will run continuously (except during a defrost cycle) and the digital temperature display will display box temperature in degrees F. The temperature control will cycle the compressor and condenser fan motor to maintain box temperature at the control setting.

Freezer Automatic Defrost
The control also monitors compressor total running time and will enter a defrost cycle after total compressor running time is greater than 4-hours since the last defrost cycle OR if evaporator coil temperature drops below -34ºF (-37ºC) (indicating excessive frost on the coil.)

Freezer Manual Defrost
If a manual defrost is desired, simply unplug the unit for several seconds, then plug unit back in. This will cause the control to re-initialize and then enter a defrost cycle.

Electronic Temperature Control Operation, continued

When the control enters the defrost mode, it switches off the evaporator fan motor, compressor and condenser fan motor, and switches on the defrost heater to warm the evaporator coil. Thereby melting all frost accumulated during the previous refrigeration cycle. The digital temperature display will now read dEF. The control will continue the defrost cycle for a MINIMUM of 8 minutes and a MAXIMUM of 30 minutes depending on the amount of frost accumulated on the evaporator coil.

After the defrost cycle is complete, the control returns to a normal refrigeration cycle, however the evaporator fan motor will not switch on for 2 minutes AFTER the compressor and condenser fan motor have begun operating. The digital temperature display will continue to read dEF until the evaporator has returned to normal freezing temperatures (up to 30 minutes).

Dual Temperature Refrigerator/Freezer Cabinets
These units combine both a refrigerator compartment and a freezer compartment in the same cabinet. Each compartment has its own separate refrigeration unit and Electronic Temperature Control.

Regarding Single Section Dual Temperature Units: After initializing, the both controls will immediately enter a DEFROST mode and the displays will read DEF. The compressor and condenser fan as well as the evaporator fan will remain off until initialization defrost is complete. This initial defrost cycle may take up to 15 minutes to complete, at which time the freezing cycle will begin. The displays will continue to read DEF for an additional 30 minutes before displaying temperature.

Evaporator Fan Operation

Model Family	Compressor Cycle On	Compressor Cycle Off	Defrost Cycle On
Std Refrigerator	Fan On	Fan On	Fan On
Std Freezer	Fan On	Fan On	**Fan Off**
Refg. 1-Sec Dual Temp	Fan On	**Fan Off**	Fan On
Freezer, 1-Sec Dual Temp	Fan On	Fan On	**Fan Off**
Refg. 2-Sec Dual Temp	Fan On	Fan On	Fan On
Freezer, 2-Sec Dual Temp	Fan On	Fan On	**Fan Off**

Heated Cabinet Operation

The Heated units have a POWER ON/OFF switch located behind the flip up shroud at the front top of the unit for controlling power to the unit and an electronic thermostat for setting the temperature. A circulating fan provides uniform airflow in the cabinet.

Power Up

1. Check that unit is properly connected to the power source.
2. Raise the shroud to access the controls.
3. Set the Main POWER ON/OFF switch, to the ON position.
4. Adjust the electronic thermostat to the desired temperature.
5. Allow unit to warm-up before use.

The unit surface is very hot! Avoid direct contact with skin; use appropriate protective apparel, such as gloves.

Power Down

1. Turn the unit off by setting the POWER ON/OFF switch to the OFF position
2. After use, allow unit to cool down.
3. Clean equipment as discussed in the MAINTENANCE section of this manual.

Maintenance

Door Gasket Maintenance

Door gaskets require regular cleaning to prevent mold and mildew build up and also to retain the elasticity of the gasket. Gasket cleaning can be done with the use of warm soapy water. Avoid full strength cleaning products on gaskets as this can cause them to become brittle and crack. Never use sharp tools or knives to scrape or clean the gasket. Gaskets can be easily replaced and do not require the use of tools or an authorized service person. The gaskets are "Dart" style and can be pulled out of the groove in the door and new gaskets can be "pressed" back into place.

Drain Maintenance - Base

Each unit has a drain located inside the unit that removes the condensation from the evaporator coil and routes it to an external condensate evaporator pan. Each drain can become loose or disconnected during normal use. If you notice water accumulation on the inside of the unit be sure the drain tube is connected to the evaporator drain pan. If water is collecting underneath the unit make sure the end of the drain tube is in the condensate evaporator in the machine compartment. The leveling of the unit is important as the units are designed to drain properly when level. Be sure all drain lines are free of obstructions.

Drawer Maintenance

Drawer Assembly Cleaning

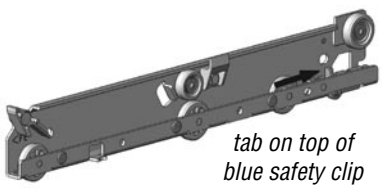
The drawer assembly is designed to be cleaned easily. Both drawer and tracks are removable without tools. The drawer tracks are dishwasher safe or can be cleaned in a sink with detergents and a soft bristle brush. Drawers and tracks should be cleaned on a weekly basis.

Remove Drawers

Pull the drawer box out until it stops. Lift up on the drawer front and pull the drawer box completely out. Using a soft bristle brush, clean the track on the bottom of the drawer box. When finished, it should be wiped clean of all food and debris.

Tracks

The drawer box assembly must be removed. Pull the drawer tracks out until they hit a stop. Locate blue safety clips towards the back of each drawer track. Blue safety clips have a tab on the top. Push the tab back until it clicks. Lift up and pull the drawer tracks all the way out of the drawer cage. The drawer tracks are dishwasher safe or can be cleaned in a sink with detergents and a soft bristle brush. Drawers and tracks should be cleaned on a weekly basis. Using a soft bristle brush, wash the track making sure each roller is thoroughly cleaned. The drawer cage should be cleaned with a soft bristle brush, removing any food and debris gathered on the bottom ledge. Once it's cleaned thoroughly with a soft bristle brush, wipe remaining debris clean with a soft towel.



tab on top of blue safety clip

Reassembly

Push the drawer tracks into the drawer cage. The blue safety clip must remain pushed towards the back. Lift up and slide the drawer track all the way into the drawer cage. The blue safety clip will lock in place automatically. Once all tracks are replaced, insert the drawer box. Rest the drawer box bottom track on the front track roller. Then push the drawer back in place SLOWLY. When the drawer box is about half way in you will hit a STOP. You must lift the front of the drawer up approximately ½" (1.3cm) to continue inward. Clean tracks as often as possible. The cleaner the tracks are the better they will operate.

Caster Maintenance

Wipe casters with a damp cloth monthly to prevent corrosion.

The power switch must be turned to OFF and the unit disconnected from the power source whenever performing service, maintenance functions or cleaning the refrigerated area.

Refrigerators and Freezers

The interior and exterior can be cleaned using soap and warm water. If this isn't sufficient, try ammonia and water or a nonabrasive liquid cleaner. When cleaning the exterior, always rub with the "grain" of the stainless steel to avoid marring the finish. Do not use an abrasive cleaner because it will scratch the stainless steel and can damage the breaker strips and gaskets.

Stainless Steel Care and Cleaning

To prevent discoloration or rust on stainless steel several important steps need to be taken. First, we need to understand the properties of stainless steel. Stainless steel contains 70- 80% iron, which will rust. It also contains 12-30% chromium, which forms an invisible passive film over the steel's surface, which acts as a shield against corrosion. As long as the protective layer is intact, the metal is still stainless. If the film is broken or contaminated, outside elements can begin to breakdown the steel and begin to form discoloration or rust. Proper cleaning of stainless steel requires soft cloths or plastic scouring pads.

NEVER USE STEEL PADS, WIRE BRUSHES OR SCRAPERS!

Cleaning solutions need to be alkaline based or non-chloride cleaners. Any cleaner containing chlorides will damage the protective film of the stainless steel. Chlorides are also commonly found in hard water, salts, and household and industrial cleaners. If cleaners containing chlorides are used be sure to rinse repeatedly and dry thoroughly. Routine cleaning of stainless steel can be done with soap and water. Extreme stains or grease should be cleaned with a non-abrasive cleaner and plastic scrub pad. Always rub with the grain of the steel. There are stainless steel cleaners available which can restore and preserve the finish of the steels protective layer. Early signs

Maintenance, continued

of stainless steel breakdown are small pits and cracks. If this has begun, clean thoroughly and start to apply stainless steel cleaners in attempt to restore the passivity of the steel.

Never use an acid based cleaning solution! Many food products have an acidic content, which can deteriorate the finish. Be sure to clean the stainless steel surfaces of ALL food products. Common items include, tomatoes, peppers and other vegetables.

Cleaning the Condenser Coil

In order to maintain proper refrigeration performance, the condenser fins must be cleaned of dust, dirt and grease regularly. It is recommended that this be done at least every three months. If conditions are such that the condenser is totally blocked in three months, the frequency of cleaning should be increased. Clean the condenser with a vacuum cleaner or stiff brush. If extremely dirty, a commercially available condenser cleaner may be required.

Failure to maintain a clean condenser coil can initially cause high temperatures and excessive run times. Continuous operation with a dirty or clogged condenser coil can result in compressor failure. Neglecting the condenser coil cleaning procedures will void any warranties associated with the compressor and cost to replace the compressor.

Never use a high-pressure water wash for this cleaning procedure as water can damage the electrical components located near or at the condenser coil.

Doors/Hinges

Over time and with heavy use doors the hinges may become loose. If this happens tighten the screws that mount the hinge brackets to the frame of the unit. Loose or sagging doors can cause the hinges to pull out of the frame, which may damage both the doors and the hinges. In some cases this may require qualified service agents or maintenance personnel to perform repairs.

Do not place hot pans on/against the grey ABS door liner. Do not throw items into the storage area. Failure to follow these recommendations could result in damage to the interior of the cabinet or to the blower coil. Overloading the storage area, restricting the airflow, and continuous opening and closing of the doors and drawers will hamper the units ability to maintain operational temperature.

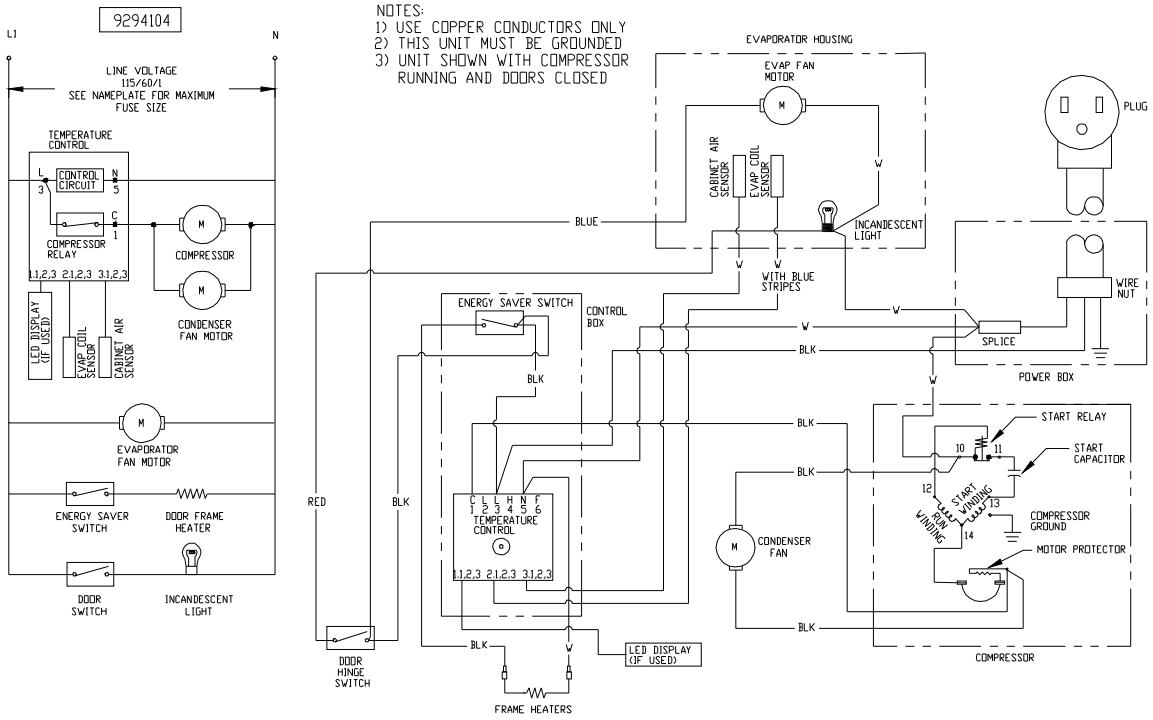
Preventing blower coil corrosion

To help prevent corrosion of the blower coil, store all acidic items, such as pickles and tomatoes, in sealable containers. Immediately wipe up all spills.

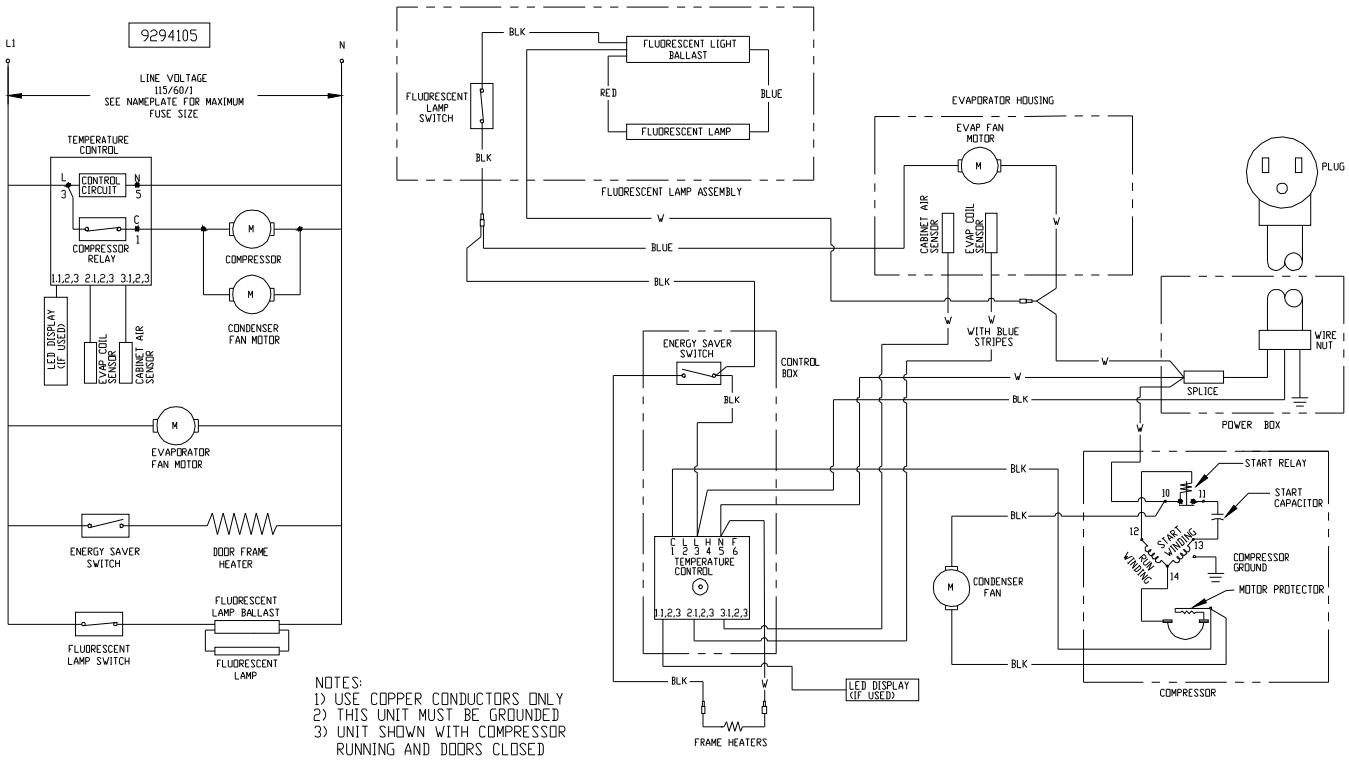
Continuous opening and closing of the doors will hamper the unit's ability to maintain optimum refrigeration temperature.

Wiring Diagram Specification Line Refrigerators

S_R1, S_R1N, S_R1S, S_RPT1, S_RPT1S, S_RRI1, S_RRT1, S_W1, SSRFF1 - Solid Doors

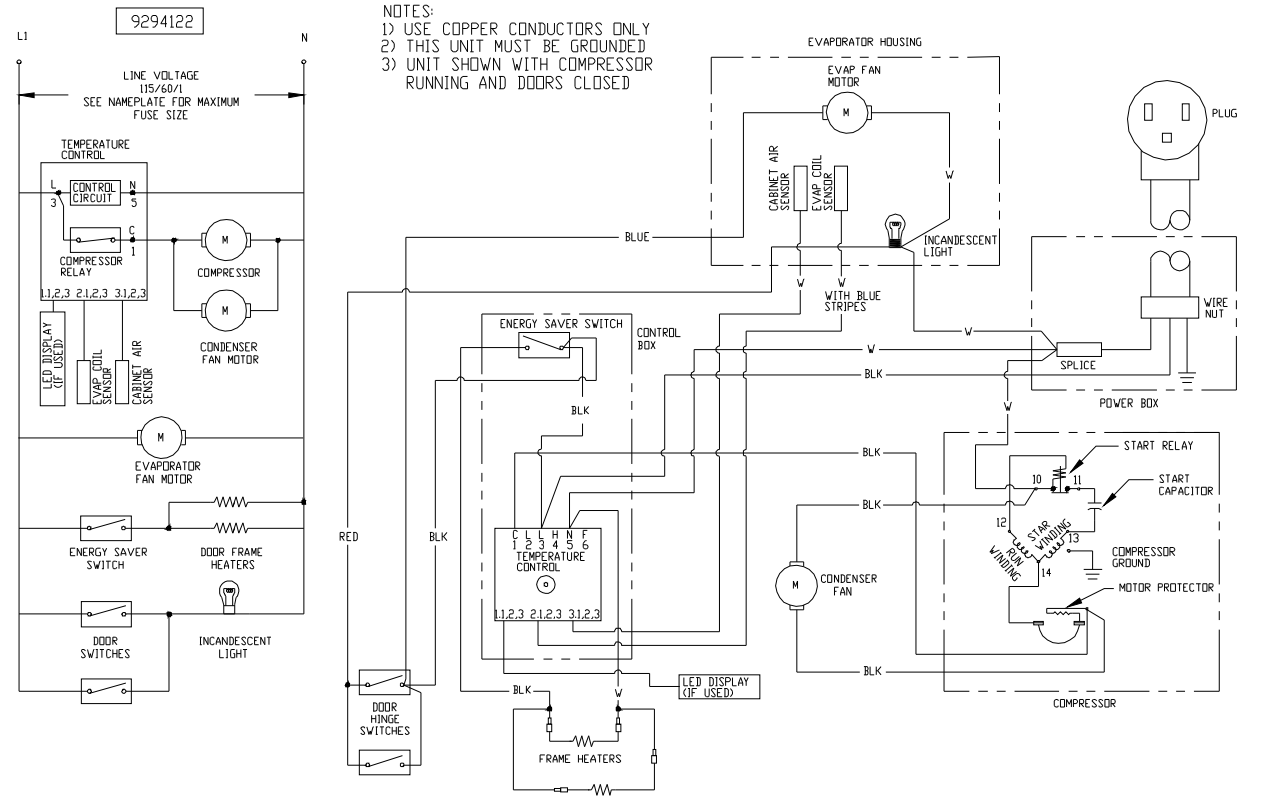


S_R1, S_R1N, S_R1S, S_RPT1, S_RRI1, S_W1 - Glass Doors

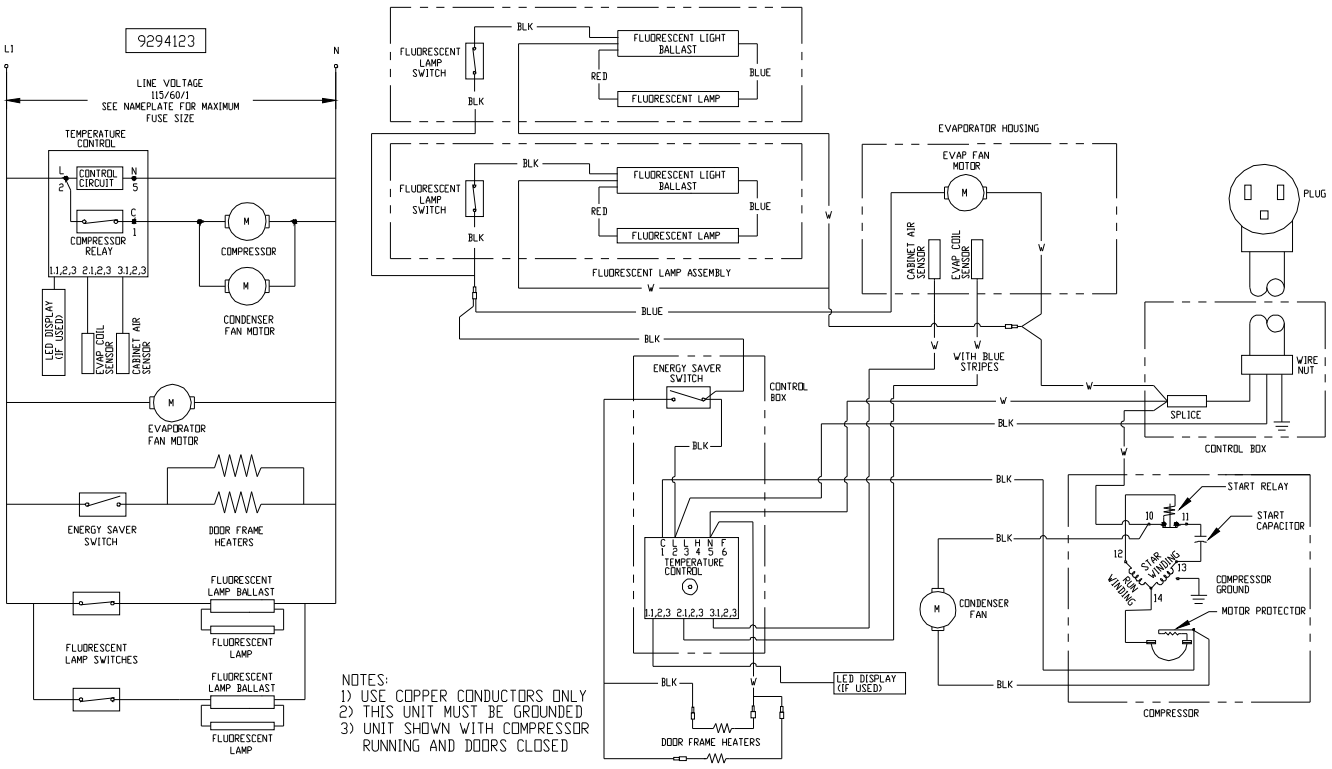


Wiring Diagram Specification Line Refrigerators

S_R2, S_R2N, S_R2S, S_R2-SL, S_R2S-SL, S_RPT2S, S_W2, S_RRI2 - Solid Doors

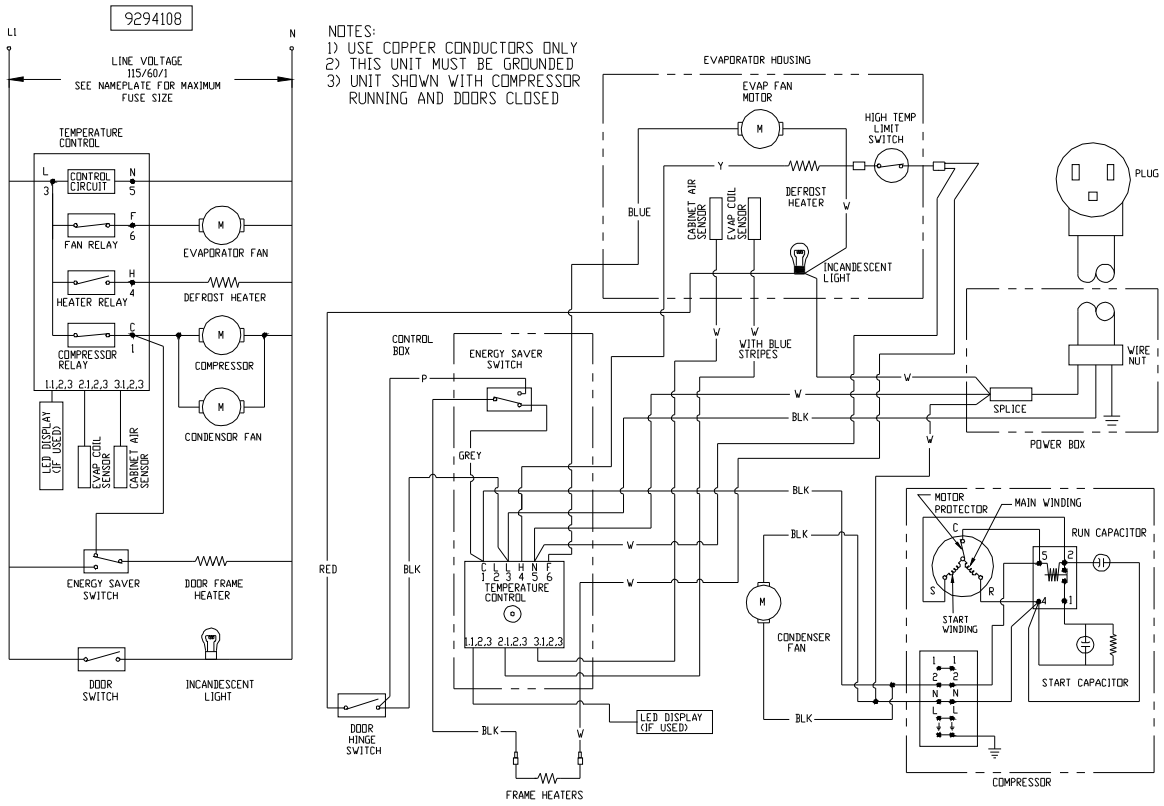


S_R2, S_R2N, S_R2S, S_R2-SL, S_R2S-SL, S_W2 - Glass Doors

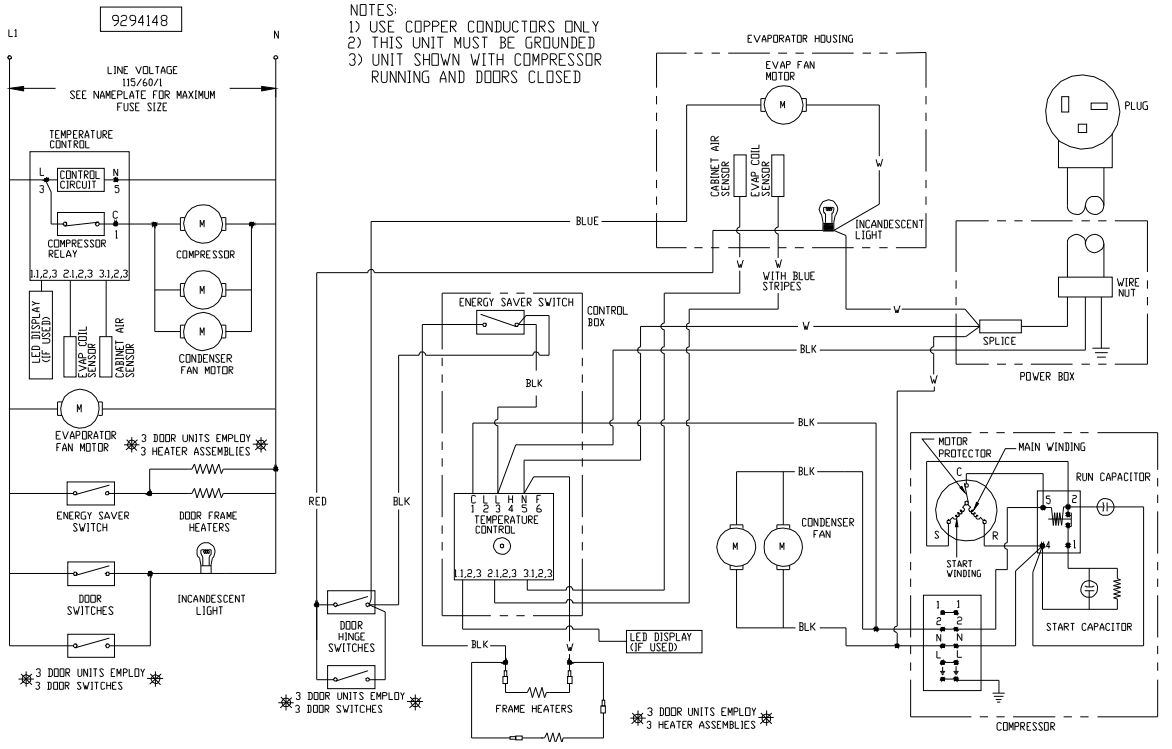


Wiring Diagram Specification Line Refrigerators

SSRFF2 - Solid Doors

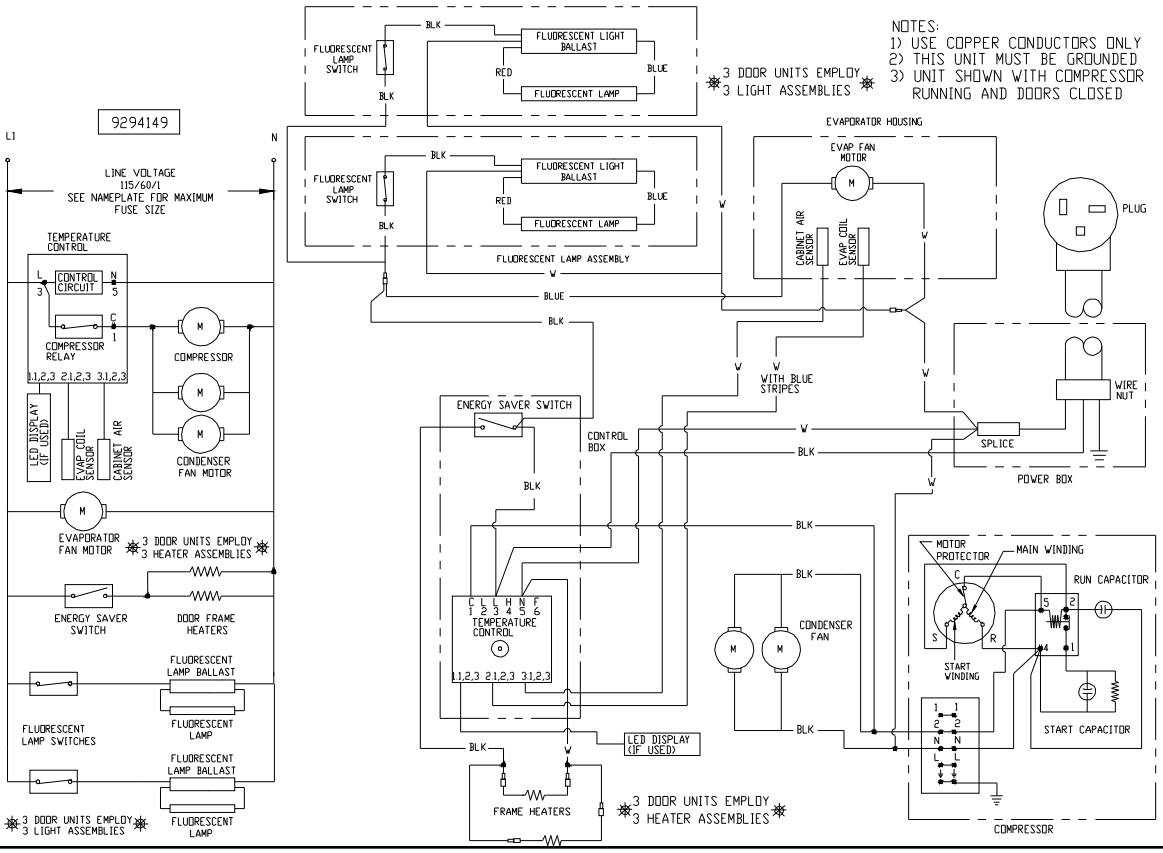


S_RPT2, S_RRT2 - Solid Doors
S_R3, S_RPT3, S_W3, S_RRI3 - Solid Doors

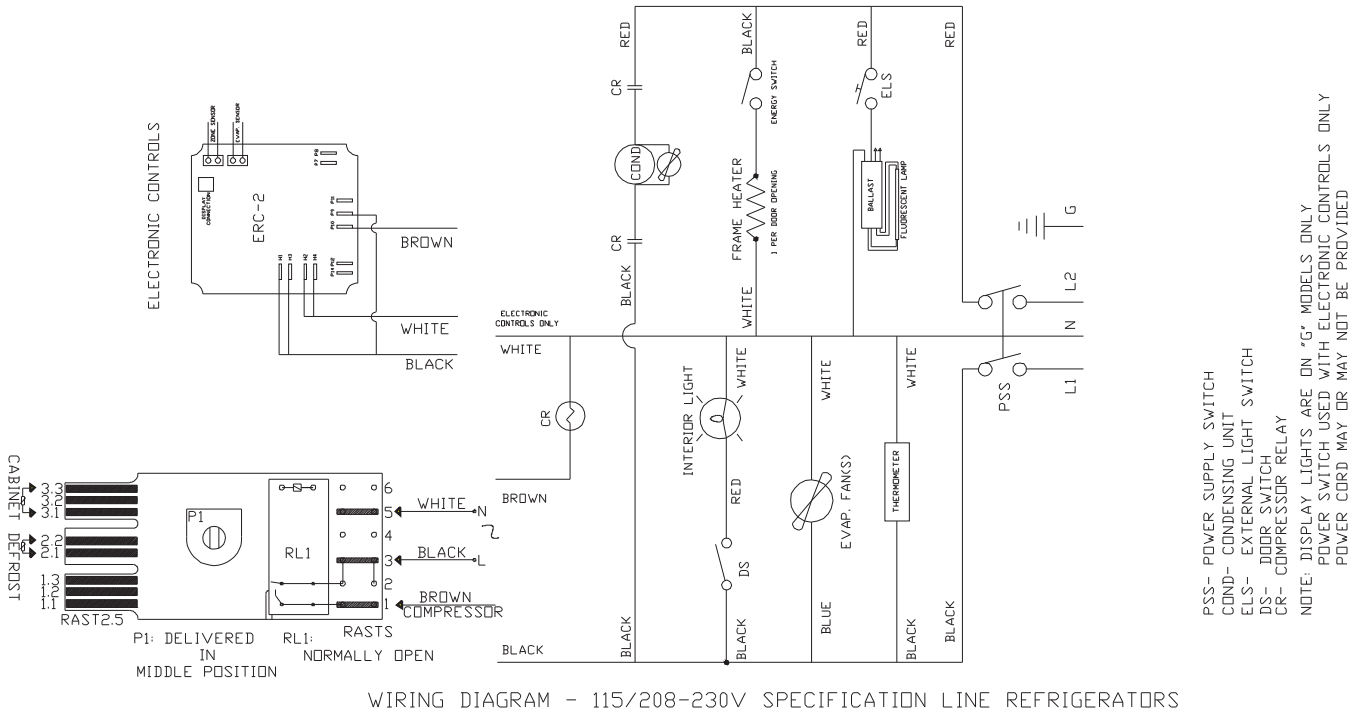


Wiring Diagram Specification Line Refrigerators

S_RPT2, S_RRI2 - Glass Doors
S_R3, S_RPT3, S_W3, S_RRI3 - Glass Doors



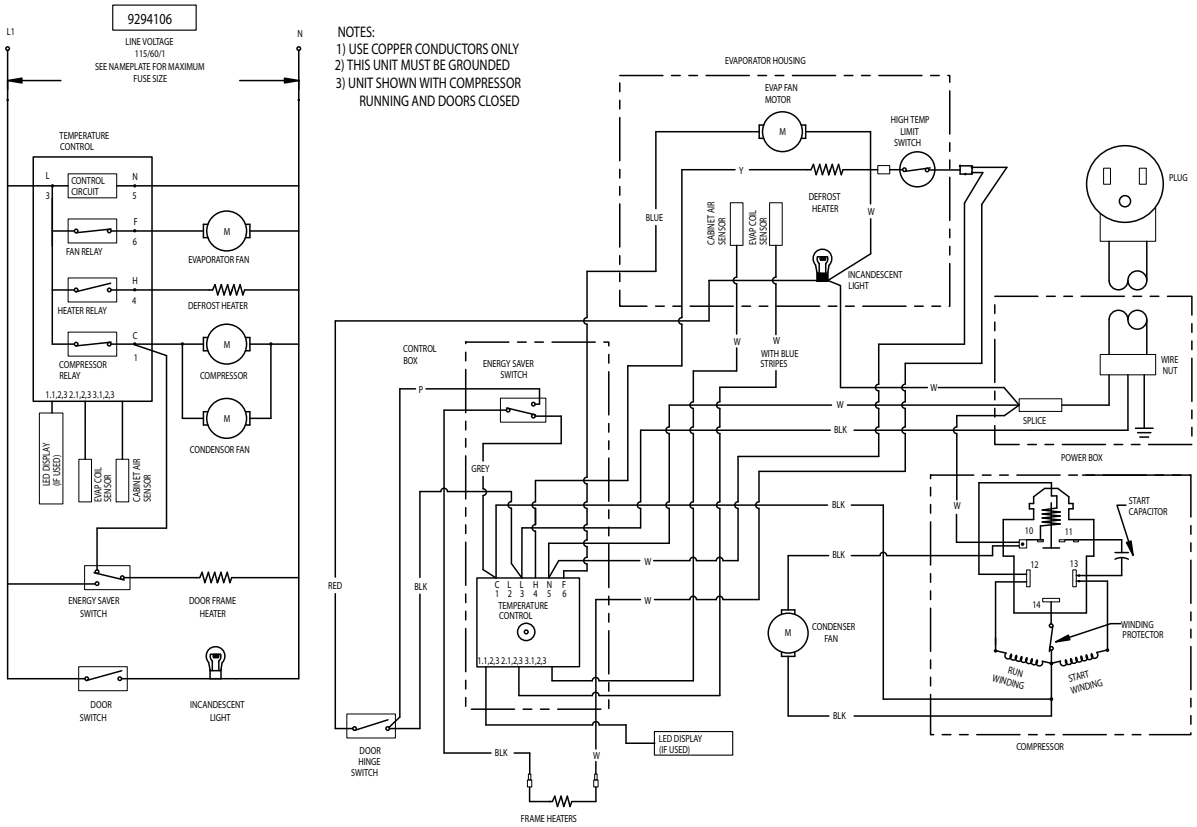
S_R3S - Solid & Glass Doors
S_RRT3 - Solid Doors



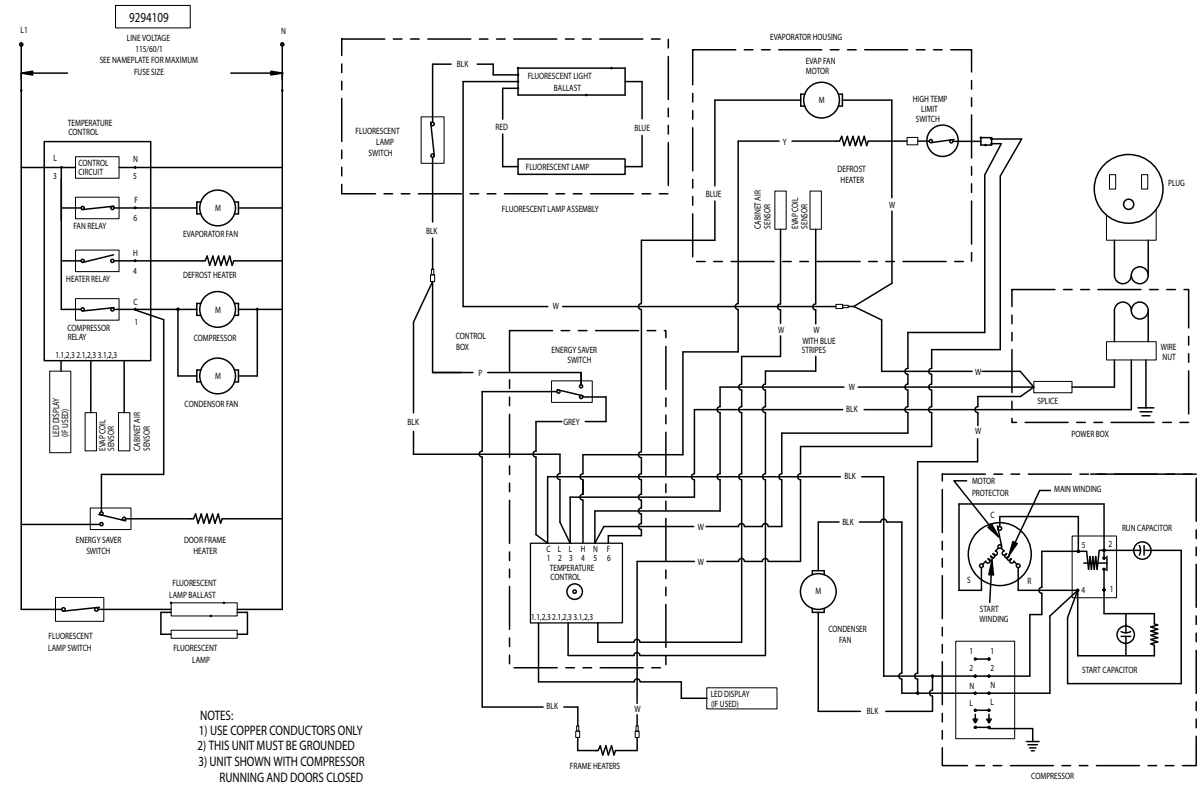
WIRING DIAGRAM - 115/208-230V SPECIFICATION LINE REFRIGERATORS

Wiring Diagram Specification Line Freezers

S_F1, S_F1N, S_F1S - Solid Doors

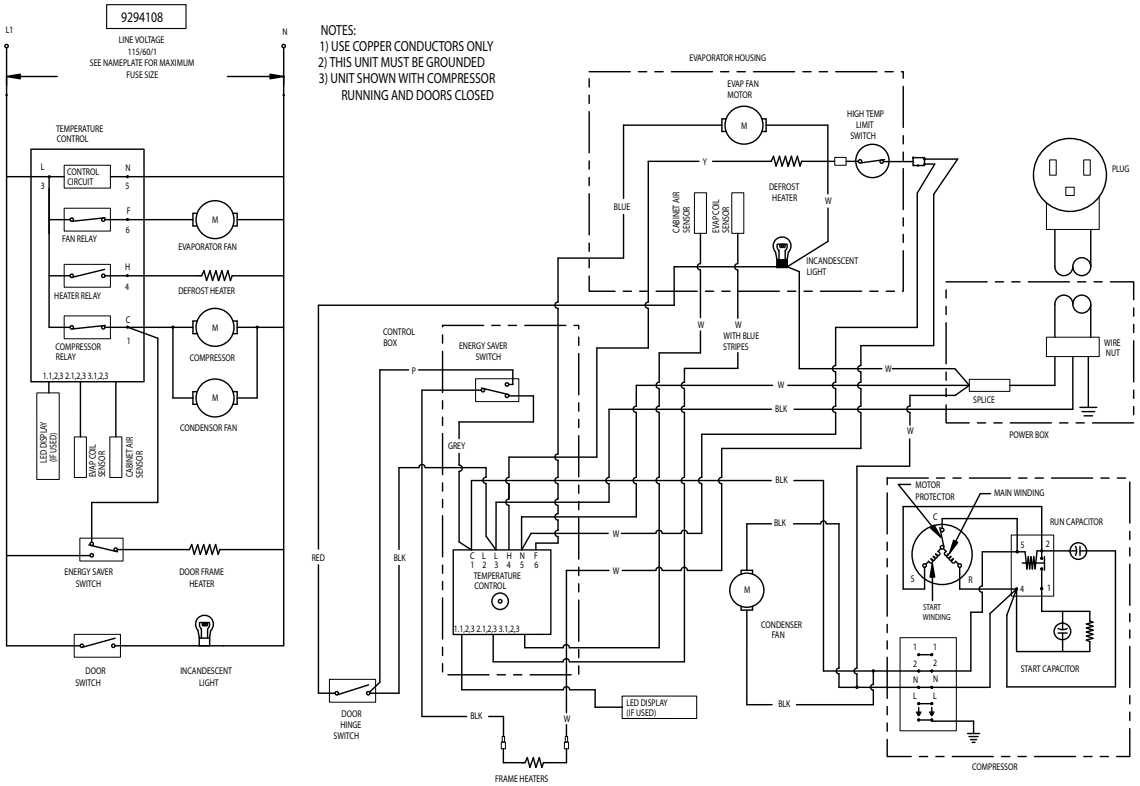


S_F1 - Glass Doors

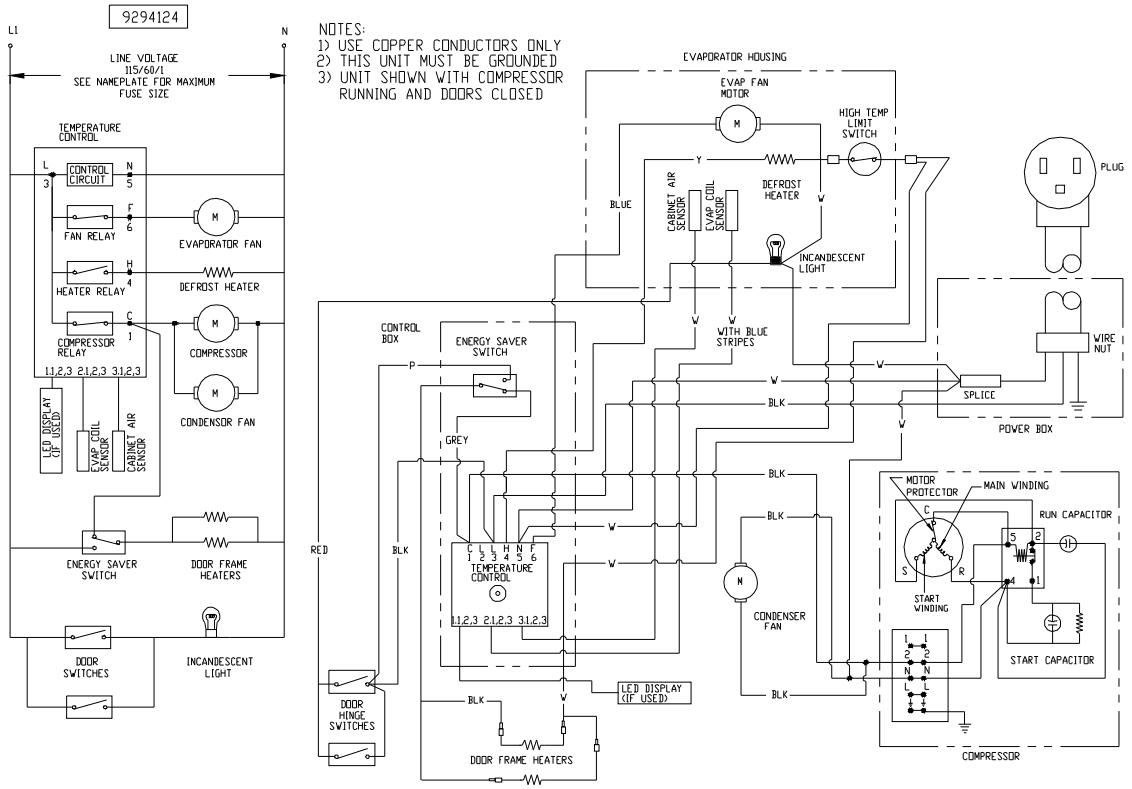


Wiring Diagram Specification Line Freezers

S_FPT1, S_FRI1 - Solid Doors

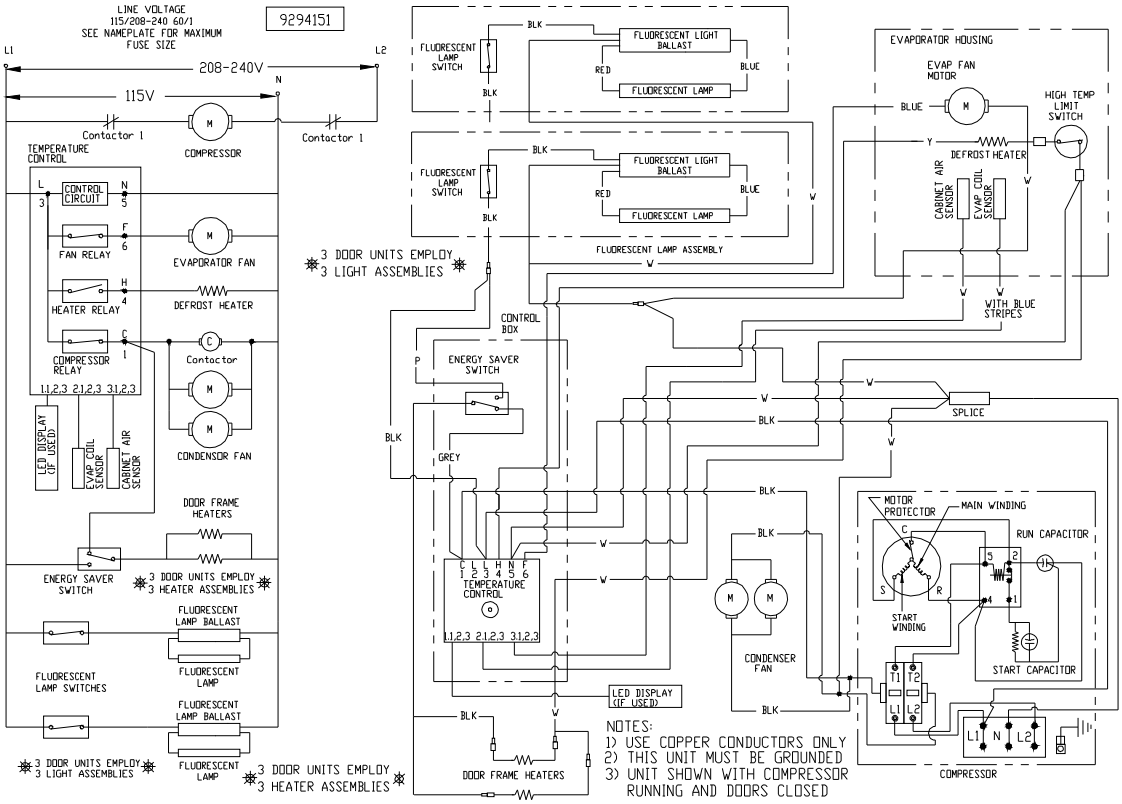


S_F2, S_F2N, S_F2S - Solid Doors

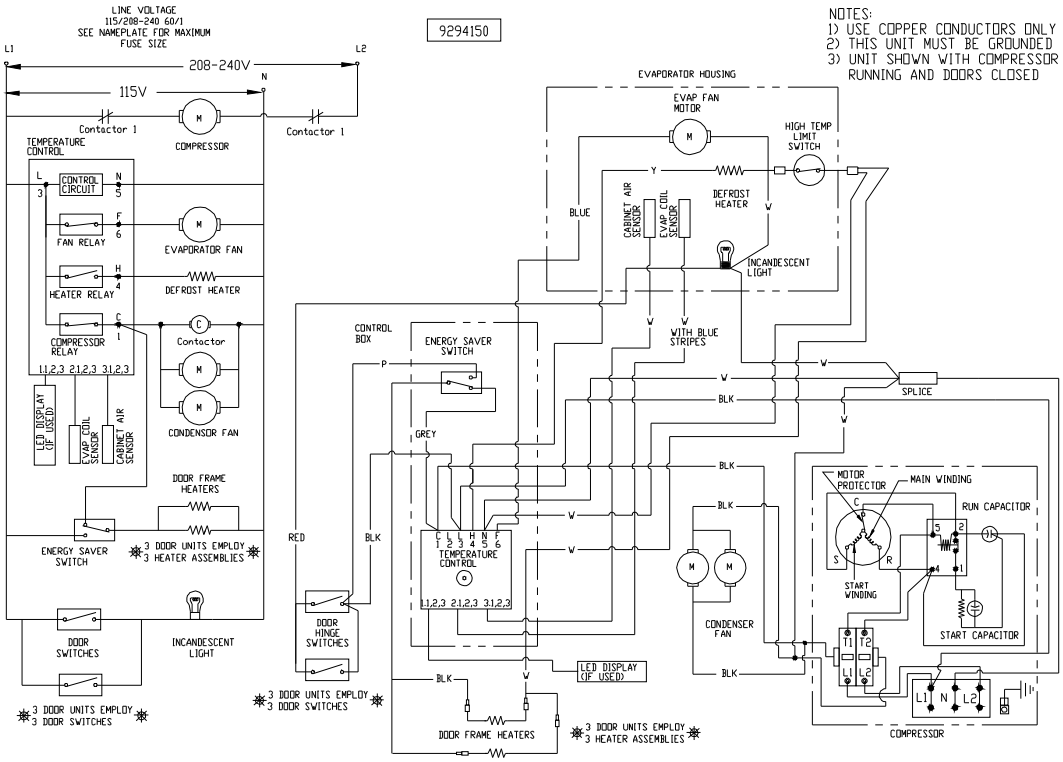


Wiring Diagram Specification Line Freezers

S_FPT2, S_FRI2 - Solid Doors
S_F2, S_F3 - Glass Doors

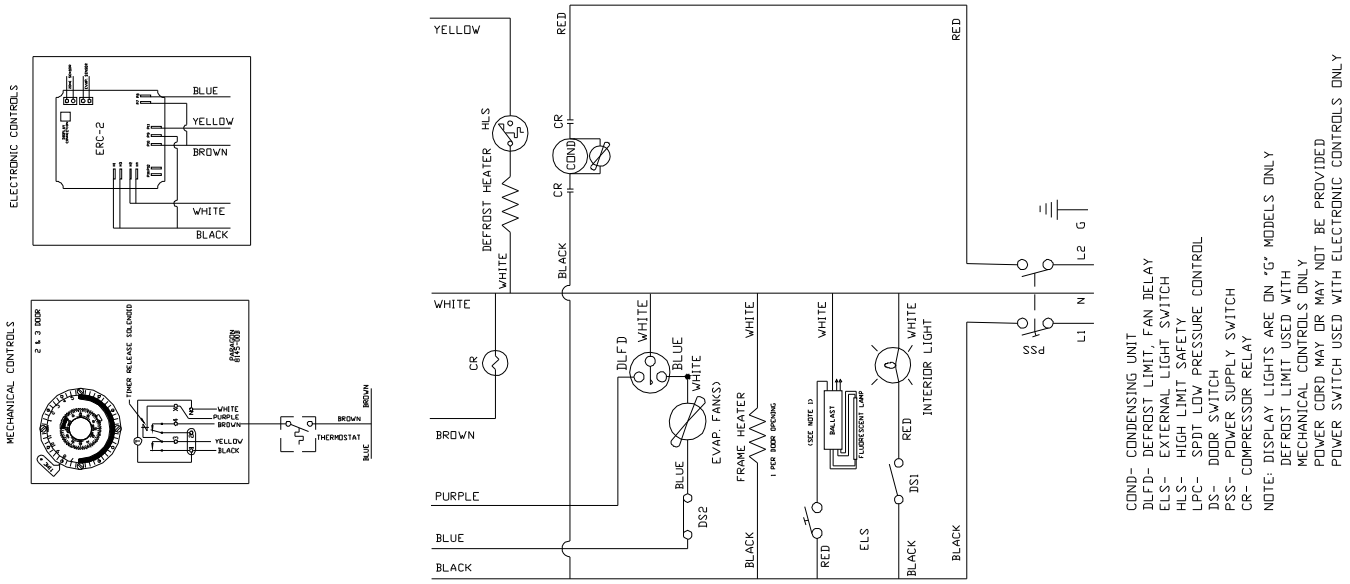


S_F3, S_F3S, S_FRI3 - Solid Doors



Wiring Diagram Specification Line Freezers

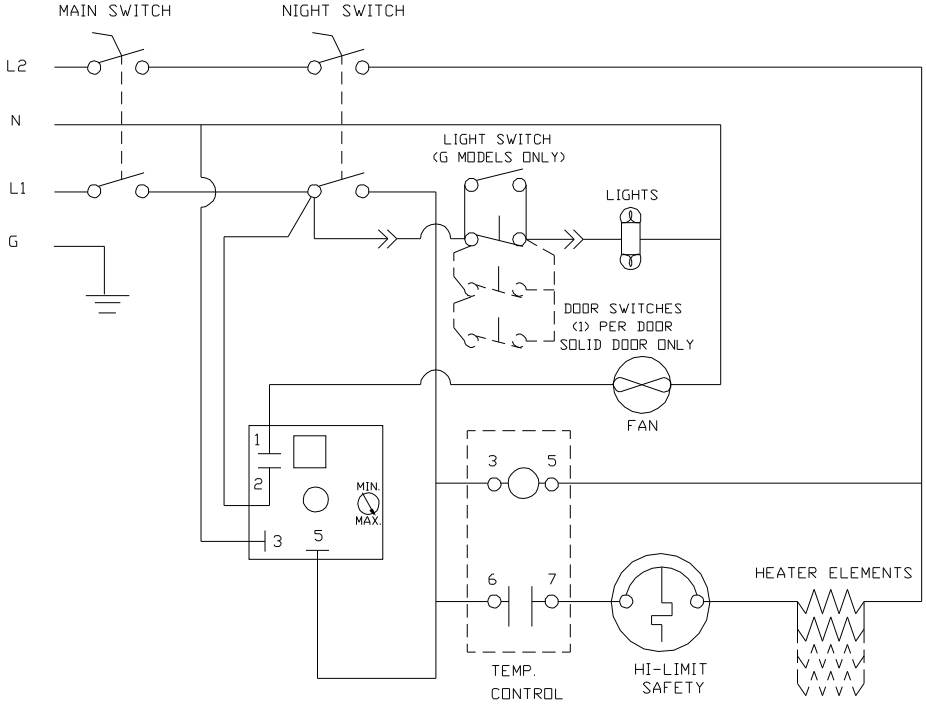
S_FPT3 - Solid Doors



WIRING DIAGRAM - 115/208-230V

Wiring Diagram Specification Line Heated Models

S_H1, S_H2, S_H3, S_HRI1, S_HRI2, S_HRI3 - Solid & Glass Doors
S_H2N, S_HPT1, S_HPT2, S_HRT1, S_HRT2, S_HRT3 - Solid Doors

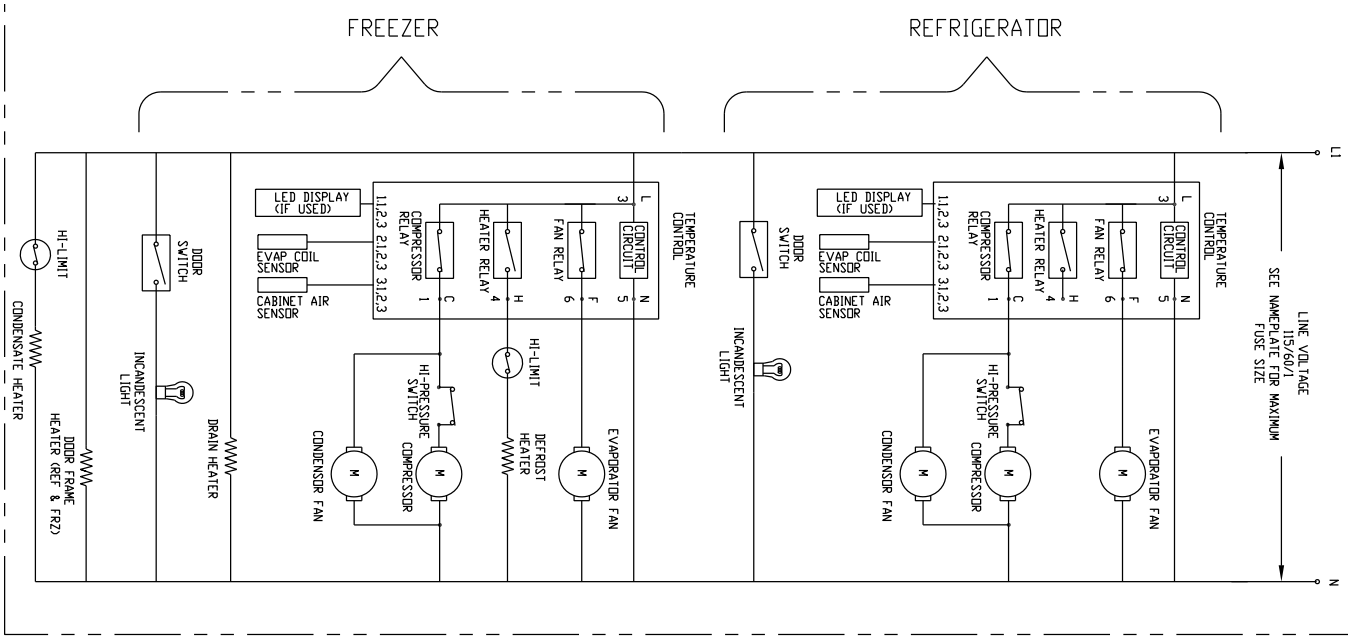


WIRING DIAGRAM - 115/208-230V

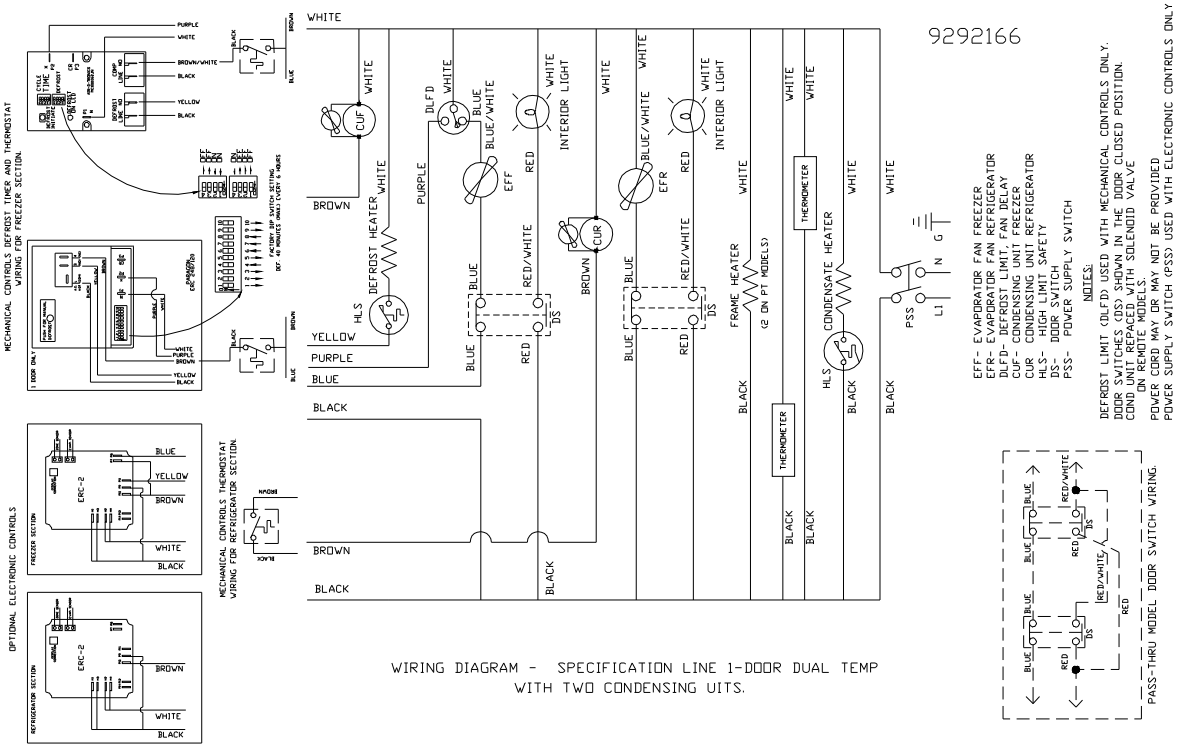
* COMPONENT AND ALL COMPONENT MATERIALS MUST BE ROHS (RESTRICTION OF HAZARDOUS SUBSTANCES) COMPLIANT. SPECIFIC SUBSTANCES ARE:
-LEAD
-MERCURY
-CADMIUM
-HEXAVALENT CHROMIUM
-POLYBROMINATED BIPHENYLS (PBB)
-POLYBROMINATED DIPHENYL ETHERS (PBDE)

Wiring Diagram Specification Line Refrigerator/Freezer Combinations

S_DTR1, S_DBR1 - Solid & Glass Doors

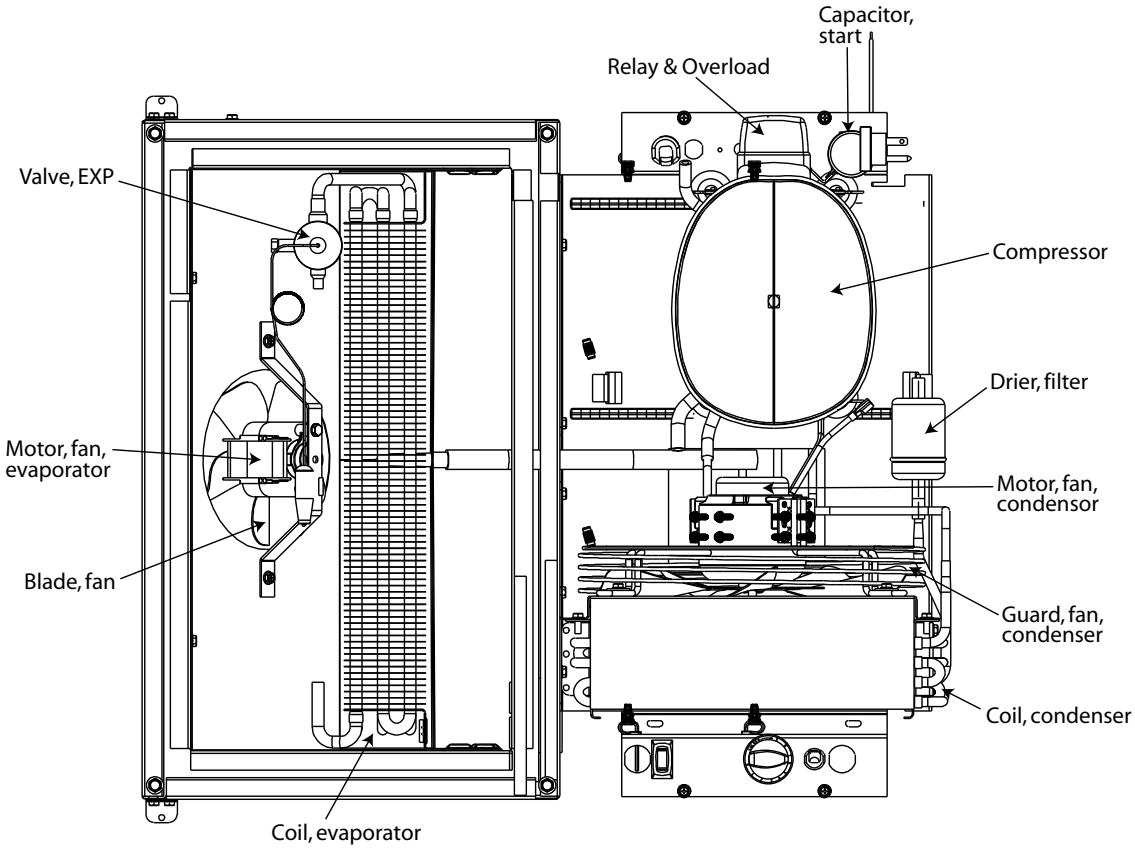


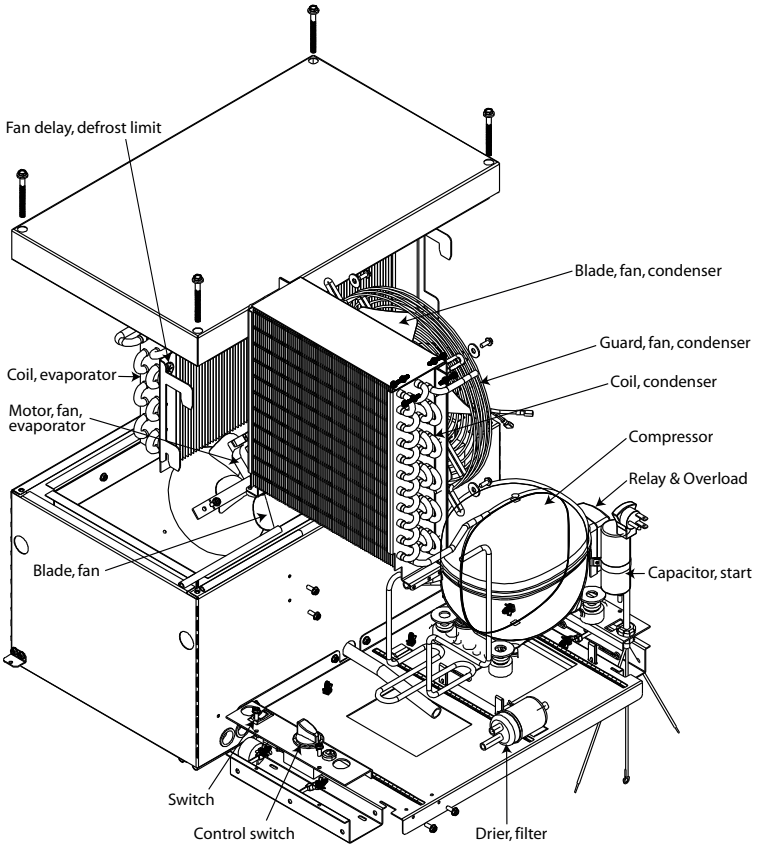
S_DTP1, S_DBP1 - Solid & Glass Doors

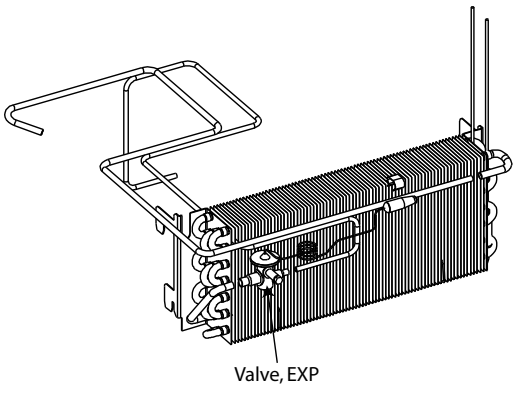

9292166
MECHANICAL CONTROLS DEFROST TIMER AND THERMOSTAT WIRING FOR FREEZER SECTION
MECHANICAL CONTROLS THERMOSTAT WIRING FOR REFRIGERATOR SECTION
OPTIONAL ELECTRONIC CONTROLS
EEC-2
FREEZER SECTION
REFRIGERATOR SECTION
DEFROST HEATER
INTERIOR LIGHT
FRAME HEATER
(2 DR PT MODELS)
CONDENSATE HEATER
THERMOMETER
EFF- EVAPORATOR FAN FREEZER
EFR- EVAPORATOR FAN REFRIGERATOR
DLF- DEFROST LIMIT FAN DELAY
CUF- CONDENSING UNIT FREEZER
CUR- CONDENSING UNIT REFRIGERATOR
HLS- HIGH LIMIT SAFETY
DS- DOOR SWITCH
PSS- POWER SUPPLY SWITCH
NOTES:
DEFROST LIMIT (DLFD) USED WITH MECHANICAL CONTROLS ONLY.
DOOR SWITCHES (DS) SHOWN IN THE DOOR CLOSED POSITION.
CONDENSING UNIT EQUIPPED WITH SOLENOID VALVE ON REMOTE MODELS.
POWER CORD MAY OR MAY NOT BE PROVIDED
POWER SUPPLY SWITCH (PSS) USED WITH ELECTRONIC CONTROLS ONLY
PASS-THRU MODEL DOOR SWITCH WIRING.

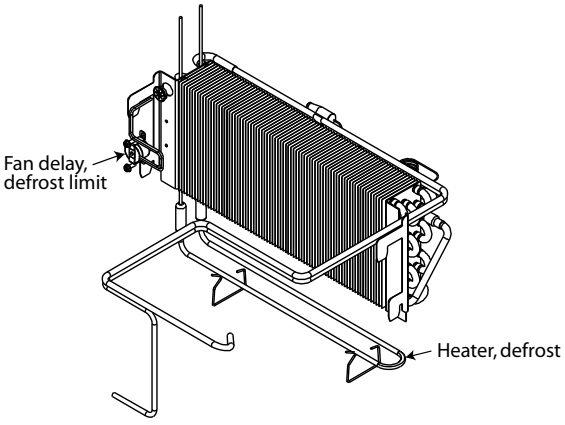
WIRING DIAGRAM - SPECIFICATION LINE 1-DOOR DUAL TEMP WITH TWO CONDENSING UITS.

Compressor Diagrams









Replacement Parts

S_R1, S_R1N, S_R1S, S_RPT1, S_RPT1S, S_DRL2, S_DFL2, S_DRP2, S_DFP2 - Solid Doors
S_R1, S_R1N, S_R1S, S_DRL2, S_DFL2 - Glass Doors

Part Number	*Description*
2194792	Display, Blue, Danfoss
3516432	Blade, Fan, 25Deg, 8.75"
3517390	Blade, Fan, 5.56, CW, Lexan
3516204A	Breaker, Vacuum
2194791	Cable, Display, 59
2194787	Capacitor, Start, 280MFD
3516426	Coil, Condenser, Small
3516437	Coil, Evap, Ref, 1DR
3526999	Comp, NF5.5CLX, 115V,60HZ
3516444	Comp, Relay, Ovld, NF5.5CLX
2194782KT	Control, Ref, Danfoss
3516322	Drier, Filter, (2)Inlet
2160019	Guard, Fan, Wire
2162717	Motor, Fan, 9W, 115V, CW
2162715	Motor, Fan, Bay, 3/4ST
2190154	Switch, Rocker, 20A/125V
3516429	Valve, Therm EXP, W/O MOP

S_R2, S_R2N, S_R2-SL, S_RFF2, S_RRI2 - Solid Doors
S_R2, S_R2N, S_R2-SL - Glass Doors

Part Number	*Description*
2194792	Display, Blue, Danfoss
3516433	Blade, Fan, 25
3516204A	Breaker, Vacuum
2194791	Cable, Display, 59
2194788	Capacitor, Start, 320MFD
3517343	Coil, Condenser, Small
3517341	Coil, Evap, Sml Ref, 2dr, Up
3527000	Comp, NF7.0,115V/60HZ
2194782KT	Control, Ref, Danfoss
3516322	Drier, Filter, (2)Inlet
2160019	Guard, Fan, Wire
2162716	Motor, Fan, 16W, 115V,CW
3516438	Relay, Comp, Ovld, NF7CLX
2190154	Switch, Rocker, 20A/125V
3516429	Valve, Therm EXP, W/O MOP

S_R2S, S_R2S-SL, S_RRT1 - Solid Doors
S_R2S, S_R2S-SL, S_RPT1, S_RRI1 - Glass Doors

Part Number	*Description*
2194792	Display, Blue, Danfoss
3516433	Blade, Fan, 25
3517390	Blade, Fan, 5.56, CW, Lexan
3516204A	Breaker, Vacuum
2194791	Cable, Display, 59
2194788	Capacitor, Start, 320MFD
3516427	Coil, Condenser, Large
3516437	Coil, Evap, Ref, 1DR
3527000	Comp, NF7.0,115V/60HZ
2194782KT	Control, Ref, Danfoss
3516322	Drier, Filter, (2)Inlet
2160019	Guard, Fan, Wire
2162716	Motor, Fan, 16W, 115V,CW
2162715	Motor, Fan, Bay, 3/4ST
3516438	Relay, Comp, Ovld, NF7CLX
2190154	Switch, Rocker, 20A/125V
3516429	Valve, Therm EXP, W/O MOP

S_R3, S_RPT2, S_RPT3, S_RPT2S, S_RRI3, S_RRT2 - Solid Doors
S_R3, S_RPT2, S_RPT3, S_RRI2 - Glass Doors

Part Number	*Description*
3516433	Blade, Fan, 25
3516204A	Breaker, Vacuum
2194791	Cable, Display, 59
3516442	Capacitor, Start, Run, Assy
3517344	Coil, Condenser, Lrg 2dr
3517341	Coil, Evap, Sml Ref, 2dr, Up
3527016	Comp, SC15MLX.2,115V/60HZ
2194782KT	Control, Ref, Danfoss
2194792	Display, Blue, Danfoss
3517345	Drier, Filter, 3/8", Danfoss
2160019	Guard, Fan, Wire
2162716	Motor, Fan, 16W, 115V,CW
2190154	Switch, Rocker, 20A/125V
3516557	Valve, Thermal, Expansion

Replacement Parts, continued

S_W1 - Solid & Glass Doors

Part Number	*Description*
2194792	Display, Blue, Danfoss
3516432	Blade, Fan, 25Deg, 8.75"
3517390	Blade, Fan, 5.56, CW, Lexan
3516204A	Breaker, Vacuum
2194791	Cable, Display, 59
2194787	Capacitor, Start, 280MFD
3516426	Coil, Condenser, Small
3516437	Coil, Evap, Ref, 1DR
3526999	Comp, NF5.5CLX, 115V,60HZ
3516444	Comp, Relay, Ovld, NF5.5CLX
2194782-3KT	Control, Wine, W/O
3516322	Drier, Filter, (2)Inlet
2160019	Guard, Fan, Wire
2162717	Motor, Fan, 9W, 115V, CW
2162715	Motor, Fan, Bay, 3/4ST
2190154	Switch, Rocker, 20A/125V
3516429	Valve, Therm EXP, W/O MOP

S_W2 - Solid & Glass Doors

Part Number	*Description*
2194792	Display, Blue, Danfoss
3516433	Blade, Fan, 25
3516204A	Breaker, Vacuum
2194791	Cable, Display, 59
2194788	Capacitor, Start, 320MFD
3517343	Coil, Condenser, Sml 2dr
3517341	Coil, Evap, Sml Ref, 2dr, Up
3516443	Comp, Cover, Small, Danfoss
3527000	Comp, NF7.0,115V/60HZ
2194782-3KT	Control, Wine, W/O
3516322	Drier, Filter, (2)Inlet
2160019	Guard, Fan, Wire
2162716	Motor, Fan, 16W, 115V,CW
3516438	Relay, Comp, Ovld, NF7CLX
2190154	Switch, Rocker, 20A/125V
3516429	Valve, Therm EXP, W/O MOP

S_W3 - Solid & Glass Doors

Part Number	*Description*
2194792	Display, Blue, Danfoss
3516433	Blade, Fan, 25
3516204A	Breaker, Vacuum
2194791	Cable, Display, 59
3516442	Capacitor, Start, Run, Assy
3517344	Coil, Condenser, Lrg 2dr
3517341	Coil, Evap, Sml Ref, 2dr, Up
3527016	Comp, SC15MLX.2,115V/60HZ
2194782-3KT	Control, Wine, W/O
3517345	Drier, Filter, 3/8", Danfoss
2160019	Guard, Fan, Wire
2162716	Motor, Fan, 16W, 115V,CW
2190154	Switch, Rocker, 20A/125V
3516557	Valve, Thermal, Expansion

S_RRI3 - Glass Doors

Part Number	*Description*
3517390	Blade, Fan, 5.56, CW, Lexan
3516308	Coil, Evap, R-404A
3526906	Cond Unit, FJEF-A075-CAV
2194782KT	Control, Ref, Danfoss
3516227	Drier, Filter, 5 CU. IN.
000-BAB-0033	Kit, Ref., Cntrl, 23D
2162691	Motor, Fan, 115V,50/60
2190154	Switch, Rocker, 20A/125V
3516330	Thermometer, 120V DIG
3516316	Valve, EXP, R404A, 1/4-C

S_RRT3 - Solid Doors

Part Number	*Description*
3517390	Blade, Fan, 5.56, CW, Lexan
3516308	Coil, Evap, R-404A
3526906	Cond Unit, FJEF-A075-CAV
2194782KT	Control, Ref, Danfoss
3516227	Drier, Filter, 5 CU. IN.
000-BAB-0033	Kit, Ref., Cntrl, 23D
2162691	Motor, Fan, 115V,50/60
3516330	Thermometer, 120V DIG
3516316	Valve, EXP, R404A, 1/4-C

Replacement Parts, continued

S_F1, S_F1N, S_F1S, S_DRL2, S_DFL2, S_FRI1 - Solid Doors
S_DRL2, S_DFL2 - Glass Doors

Part Number	*Description*
3516432	Blade, Fan, 25DEG, 8.75"
3517390	Blade, Fan, 5.56, CW, Lexan
3516204A	Breaker, Vacuum
2194791	Cable, Display, 59
2194789	Capacitor, Start, 240MFD
3516426	Coil, Condenser, Small
3516436	Coil, Evap, Frz, 1DR
3527001	Comp, SC12CLX.2, 115/60HZ
2194783KT	Control, Frz, Danfoss
2194792	Display, Blue, Danfoss
3516322	Drier, Filter, (2)Inlet
2160019	Guard, Fan, Wire
2194785	Htr, Def, 400W, 115V, 1DR
2194953	Limit, High Defrost
2162717	Motor, Fan, 9W, 115V, CW
2162715	Motor, Fan, Bay, 3/4ST
3516441	Relay, Comp, SC12CLX.2
2194959	Switch, Rocker, Snap-in
3516429	Valve, Therm Exp, W/O MOP

S_F2, S_F2N - Solid Doors

Part Number	*Description*
3516433	Blade, Fan, 25
3516204A	Breaker, Vacuum
2194791	Cable, Display, 59
3516442	Capacitor, Start, Run, Assy
3517340	Coil, Evap, Sml FRZ, 2dr, Up
3527002	Comp, SC18CLX.2
2194783KT	Control, Frz, Danfoss
2194792	Display, Blue, Danfoss
3516322	Drier, Filter, (2)Inlet
2160019	Guard, Fan, Wire
2194970	Heater, Defrost, 600W, 115V
2194953	Limit, High Defrost
2162716	Motor, Fan, 16W, 115V, CW
2194959	Switch, Rocker, Snap-in
3516557	Valve, Thermal, Expansion

S_F3, S_FPT2, S_FRI2 - Solid Doors
S_F2 - Glass Doors

Part Number	*Description*
3516433	Blade, Fan, 25
3516204A	Breaker, Vacuum
2194791	Cable, Display, 59
2194979	Capacitor, Run, 45 MFD
2194978	Capacitor, Start, 145-175
3517344	Coil, Condenser, Lrg 2dr
3517342	Coil, Evap, Lrg Frz, 2dr
3527017	Comp, AWA2460ZXD, 208V/60H
2194974	Contactor, 2 Pole, 120V
2194783KT	Control, Frz, Danfoss
2194792	Display, Blue, Danfoss
2160019	Guard, Fan, Wire
2194970	Heater, Defrost, 600W, 115V
2194953	Limit, High Defrost
2162716	Motor, Fan, 16W, 115V, CW
2194980	Relay, Potential, Start
2194959	Switch, Rocker, Snap-in
3516557	Valve, Thermal, Expansion

S_F3 - Glass Doors

Part Number	*Description*
3517390	Blade, Fan, 5.56, CW, Lexan
3516204A	Breaker, Vacuum
3516305	Coil, Evap, R-404A
3526917	Cond Unit, DJAL-0150-CAV
2194991	Condensate Heater
3516043	Control, Temp, Frz
3516227	Drier, Filter, 5 CU. IN.
2194046	Fan Delay/Defrost Limit
2194671	Heater, 115V, 400W, 2-PC
2194672	Heater, 115V, 500W, 10A, 2Ph
2162691	Motor, Fan, 115V,50/60
3516223	Regulator, Pressure, 5/8
2194751	Relay, SPST-NO, 120V, FRZ
2190154	Switch, Rocker, 20A/125V
3516330	Thermometer, 120V DIG
2194260	Timer, Paragon Reach-in
3516280	Valve, EXP, R404A, FRZ, 1/2
3516041	Valve, Solenoid, 1/4ODF

Replacement Parts, continued

S_F2S, S_FPT1, S_DRP2, S_DFP2 - Solid Doors
S_F1 - Glass Doors

Part Number	*Description*
3516433	Blade, Fan, 25
3517390	Blade, Fan, 5.56, CW, Lexan
3516204A	Breaker, Vacuum
2194791	Cable, Display, 59
3516442	Capacitor, Start, Run, Assy
3516427	Coil, Condenser, Large
3516436	Coil, Evap, Frz, 1DR
3527002	Comp, SC18CLX.2
2194783KT	Control, Frz, Danfoss
2194792	Display, Blue, Danfoss
2160019	Guard, Fan, Wire
2194785	Htr, Def, 400W, 115V, 1DR
2194953	Limit, High Defrost
2162716	Motor, Fan, 16W, 115V, CW
2162715	Motor, Fan, Bay, 3/4ST
2194959	Switch, Rocker, Snap-in

S_F3S - Solid Doors

Part Number	*Description*
3517390	Blade, Fan, 5.56, CW, Lexan
3516204A	Breaker, Vacuum
3516305	Coil, Evap, R-404A
3526916	Cond Unit, DJAL-0100-CAV
3516043	Control, Temp, Frz
3516227	Drier, Filter, 5 CU. IN.
2194046	Fan Delay/Defrost Limit
2194671	Heater, 115V, 400W, 2-PC
2194672	Heater, 115V, 500W, 10A, 2Ph
2162691	Motor, Fan, 115V,50/60
3516223	Regulator, Pressure, 5/8
2194751	Relay, SPST-NO, 120V, FRZ
3516330	Thermometer, 120V DIG
2194260	Timer, Paragon Reach-in
3516280	Valve, EXP, R404A, FRZ, 1/2

S_FPT3, S_FRI3 - Solid Doors

Part Number	*Description*
2162500	Blade, Evap Fan, Morrel 7
3516204A	Breaker, Vacuum
3516305	Coil, Evap, R-404A
3526918	Cond Unit, DJAL-0150-CAV
3516043	Control, Temp, Frz
3516227	Drier, Filter, 5 CU. IN.
2194046	Fan Delay/Defrost Limit
2194671	Heater, 115V, 400W, 2-PC
2194672	Heater, 115V, 500W, 10A, 2Ph
2162667	Motor, Fan, 115V/60HZ
3516223	Regulator, Pressure, 5/8
3516330	Thermometer, 120V DIG
2194260	Timer, Paragon Reach-in
3516317	Valve, EXP, R404A, 1/2-Z

S_DTR1, S_DBR1 - Solid & Glass Doors

Part Number	*Description*
3516172	Blade, Fan, 5.56, CCW
3516432	Blade, Fan, 25deg, 8.75", CW
3516426	Coil, Condenser, Small, Upright
3516239	Coil, Evap, Refrig., RT, Spec
3516220	Coil, Evap, Frz, RT, Spec
3526999	Compressor, Frz., NF5.5CLX, 115V,60Hz
3526997	Compressor, Ref., TF4CLX
3516443	Compressor Cover, Frz/Ref, Small, Danfoss
2194783-5KT	Control, Frz, Danfoss, ETC1H, 115V
2194783-6KT	Control, Ref, Danfoss, ETC1H, 115V
3516322	Drier, Filter, (2)inlet 1/4"
2160019	Guard, Fan, Wire
3516173	Guard, Plastic, Fan, 6
3978197	Guard, Wire, Evaporator
2194659	Heater, 115V-100W, 1A
2194670	Heater, 115V-305W, 3A
2194679	Heater, Drain, 120V-3.75W
2162717	Motor, Fan, 9W, 115V, CW
2162691	Motor, Fan, 115V, 50/60
3516446	Relay, Comp, Ref., Danfoss P/N 117U4148
3516444	Relay, OVLD, Comp, Frz, NF5.5CLX
2194787	Start, Capacitor, Frz/Ref, 280MFD
3516331	Switch, High Press, 1/4"Tube, 404A, 450
3517394	Valve, Exp, R404A, Frz, 1/4
3517393	Valve, Exp, R404A, Ref, 1/4

Replacement Parts, continued

S_DTP1, S_DBP1 - Solid & Glass Doors

Part Number	*Description*
3516172	Blade, Fan, 5.56, CCW
3516239	Coil, Evap, Dough, RT, Spec
3516220	Coil, Evap, Frz, RT, Spec
3526969	Cond Unit, 1/3HP, 404A, FRZ
3526968	Cond Unit, 1/5HP, 404A, REF
2194782KT	Control, REF, Danfoss
2194536	Control, Temp, In@40D/Out
2194046	Fan Delay/Defrost Limit
3516173	Guard, Plastic, Fan, 6
2194659	Heater, 115V-100W, 1A
2194670	Heater, 115V-305W, 3A
2194679	Heater, Drain, 120V-3.75W
2162691	Motor, Fan, 115V, 50/60
5066440	Switch, Rocker #SPDT-D8
3516330	Thermometer, 120V DIG
2194532	Thermostat, FRZ
RF000072	Timer, Defrost, Air-O
3516271	Valve, EXP, R404A, FRZ, 1/4
3516273	Valve, EXP, R404A, REF, 1/4

All Heated Models

Part Number	*Description*
2162516	Blower, Hi-Temp, Reach-In
2194377	Control Knob
2194645	Heating, Elem, Fin, 900W
2194618	Relay, Timer, 120V, 1HP
2162517	Ring, Inlet, Hi-Temp
2194370	Sensor, Temp, Htd Cab
2194409	Switch, Rocker, 20A, 2HP
3516330	Thermometer, 120V Dig, TI
000-C1A-0001	Thermostat, Hi-Limit
2194372	Thermostat, Htd Cabinet

Shelf Replacement Parts

Model	*Shelf Number*
S_R1-S,SH,G,GH S_RPT1-S,SH S_RPT1S-S,SH S_DRL2-S,SH,G,GH S_DFL2-S,SH,G,GH S_DRP2-S,SH, S_DFP2-S,SH S_R2-SLS,SLSH,SLG,SLGH S_RPT1-G,GH S_R3-S,SH,G,GH S_RPT2-S,SH S_RPT2-G,GH S_RPT3-S,SH S_RPT3-G,GH S_F1-S,SH S_F2-S,SH S_F2-G,GH S_F3-S,SH S_FPT2-S,SH S_F3-G,GH S_F1-G,GH S_FPT1-S,SH S_FPT3-S,SH	3978170
S_H1-S,SH,G,GH S_H2-S,SH,G,GH S_HPT1-S,SH S_HPT2-S,SH	3978171
S_R1N-S,SH,G,GH S_R2N-S,SH,G,GH S_F1N-S,SH S_F2N-S,SH	3978172
S_H2N-S,SH	3978173
S_R1S-S,SH,G,GH S_R2S-S,SH,G,GH S_R2S-SLS,SLSH,SLG,SLGH S_RPT2S-S,SH S_F1S-S,SH S_F2S-S,SH S_F3S-S,SH	3978174
S_W1-S, SH, G, GH S_W2-S, SH, G, GH S_W3-S, SH, G, GH	3978183
All Models	3234617KT Hinge, 1-5/16" Offset with adjustable housing
All Models	3234782 Shelf Clip, SS

Standard Labor Guidelines To Repair Or Replace Parts On Delfield Equipment

Advice and recommendations given by Delfield Service Technicians do not constitute or guarantee any special coverage.

- A maximum of 1-hour is allowed to **diagnose a defective component**.
- A maximum of 1-hour is allowed for **retrieval of parts** not in stock.
- A maximum **travel distance** of 100 miles round trip and 2-hours will be reimbursed.
- Overtime, installation/start-up, normal control adjustments, general maintenance, glass breakage, freight damage, and/or correcting and end-user installation error will not be reimbursed under warranty unless pre-approved with a **Service Work Authorization** from Delfield. You must submit the number with the service claim.

Labor Of 1-Hour Is Allowed To Replace:

- Thermostat
- Door Jamb Switch
- Solenoid Coil
- Hi-limit/Thermal Protector Switch
- Fan Delay/Defrost Termination Switch
- Compressor Start Components and Overload Protector
- Defrost Timer
- Thermometer
- Contactor/Relay
- Evaporator/Condenser Fan Motor and Blade
- Circulating Fan Motor and Blade
- Microprocessor Control
- Transformer
- Door Hinges, Locks, and Gaskets
- Condensate Element

Labor Of 2 Hours To Replace:

- Drawer Tracks/Cartridges
- Pressure Control
- Solenoid Valve
- Defrost Element
- Heating Element
- Locate/Repair Leak

Labor Of 3 Hours To Replace:

- EPR or CPR Valve
- Expansion Valve
- Condenser or Evaporator Coil

Labor Of 4 Hours To Replace:

- Compressor

This includes recovery of refrigerant and leak check.

$55.00 maximum reimbursement for refrigerant recovery (includes recovery machine, pump, torch, oil, flux, minor fittings, solder, brazing rod, nitrogen, or similar fees.)

Refrigerants:

- R404A A maximum of $15.00/lb. or $1.00/oz. will be reimbursed.

Standard Two Year Warranty (Two year parts and labor, five year compressor)

The Delfield Company ("Delfield") warrants to the Original Purchaser of the Delfield product (herein called the "Unit") that such Unit, and all parts thereof, will be free from defects in material and workmanship under normal use and service for a period of two (2) years from the date of shipment of the Unit to the Original Purchaser **or, if the Original Purchaser returns the warranty card completely filled out including the date of installation within thirty (30) days of receipt of the Unit, two (2) years from the date of installation.** During this two year warranty period, Delfield will repair or replace any defective part or portion there of returned to Delfield by the Original Purchaser which Delfield determines was defective due to faulty material or workmanship. The Original purchaser will pay all labor, crating, freight and related costs incurred in the removal of the Unit of defective component and shipment to Delfield, except that during a period of either ninety (90) days from the date of shipment of the Unit to the Original Purchaser or, if the Original Purchaser returns the warranty card completely filled out including the date of installation within thirty (30) days of receipt of the Unit, ninety (90) days from the date of installation Delfield will pay all related labor costs. Delfield will pay the return costs if the Unit or part thereof was defective.

The term "Original Purchaser" as used herein means that person, firm, association, or corporation for whom the Unit was originally installed.

This warranty does not apply to any Unit or part thereof that has been subjected to misuse, neglect, alteration, or accident, such as accidental damage to the exterior finish, operated contrary to the recommendations specified by Delfield; or repaired or altered by anyone other than Delfield in any way so as to, in Delfield's sole judgment, affect its quality or efficiency. This warranty does not apply to any Unit that has been moved from the location where it was originally installed. This warranty also does not cover the refrigerator drier or the light bulbs used in the Unit. **The warranty is subject to the user's normal maintenance and care responsibility as set forth in the Service and Installation Manual, such as cleaning the condenser coil, and is in lieu of all other obligations of Delfield. Delfield neither assumes, nor authorizes any other person to assume for Delfield, any other liability in connection with Delfield's products.**

Removal or defacement of the original Serial Number or Model Number from any Unit shall be deemed to release Delfield from all obligations hereunder or any other obligations, express or implied.

Parts furnished by suppliers to Delfield are guaranteed by Delfield only to the extent of the original manufacturer's express warranty to Delfield. Failure of the Original Purchaser to receive such manufacturer's express warranty to Delfield. Failure of the Original Purchaser to receive such manufacturers warranty shall in no way create any warranty, expressed or implied, or any other obligation or liability on Delfield's part in respect thereof.

IF THE CUSTOMER IS USING A PART THAT RESULTS IN A VOIDED WARRANTY AND A DELFIELD AUTHORIZED REPRESENTATIVE TRAVELS TO THE INSTALLATION ADDRESS TO PERFORM WARRANTY SERVICE, THE SERVICE REPRESENTATIVE WILL ADVISE CUSTOMER THE WARRANTY IS VOID. SUCH SERVICE CALLS WILL BE BILLED TO CUSTOMER AT THE AUTHORIZED SERVICE CENTER'S THEN APPLICABLE TIME AND MATERIALS RATES. CONSIDER: CUSTOMER MAY INITIATE A SERVICE AGREEMENT WITHOUT PARTS COVERAGE.

Under no condition does this warranty give the Original Purchaser the right to replace the defective Unit with a complete Unit of the same manufacturer or of another make. Unless authorized by Delfield in writing, this warranty does not permit the replacement of any part, including the motor-compressor, to be made with the part of another make or manufacturer.

If shipment of a replacement part is requested prior to the arrival in the Delfield factory of the part claimed to be defective, the Original Purchaser must accept delivery of the replacement part of a C.O.D. basis, with credit being issued after the part has been received and inspected at Delfield's plant and determined by Delfield to be within this warranty.

No claims can be made under this warranty for spoilage of any products for any reason, including system failure.

The installation contractor shall be responsible for building access, entrance and field conditions to insure sufficient clearance to allow any hood(s), vent(s), or Unit(s) if necessary, to be brought into the building. Delfield will not be responsible for structural changes or damages incurred during installation of the Unit or any exhaust system.

Delfield shall not be liable in any manner for any default or delay in performance hereunder caused by or resulting from any contingency beyond Delfield's control, including, but not limited to, war, governmental restrictions or restraints, strike, lockouts, injunctions, fire, flood, acts of nature, short or reduced supply of raw materials, or discontinuance of the parts by the original part manufacturer.

The Service Labor Contract, if applicable, the foregoing is exclusive and in lieu of all other warranties, whether written or oral, express or implied. This warranty supersedes and excludes any prior oral or written representations or warranties. Delfield expressly disclaims any implied warranties of merchantability, fitness for a particular purpose of compliance with any law, treaty, rule or regulation relating to the discharge of substances into the environment. The sole and exclusive remedies of any person relating to the Unit, and the full liability of Delfield for any breach of this warranty, will be as provided in this warranty.

Other than this Delfield Standard Two Year Limited Warranty, any applicable Delfield Additional Three Year Protection Plan or applicable Delfield Service Labor Contract, the Original Purchaser agrees and acknowledges that no other warranties are offered or provided in connection with or for the unit or any other part thereof.

In no event will Delfield be liable for special, incidental or consequential damages, or for damages in the nature of penalties.

IF DURING THE WARRANTY PERIOD, CUSTOMER USES A PART FOR THIS DELFIELD EQUIPMENT OTHER THAN AN UNMODIFIED NEW OR RECYCLED PART PURCHASED DIRECTLY FROM DELFIELD OR ANY OF ITS AUTHORIZED SERVICE CENTERS AND/OR THE PART BEING USED IS MODIFIED FROM ITS ORIGINAL CONFIGURATION, THIS WARRANTY WILL BE VOID. FURTHER, DELFIELD AND ITS AFFILIATES WILL NOT BE LIABLE FOR ANY CLAIMS DAMAGES OR EXPENSES INCURRED BY THE CUSTOMER WHICH ARISE DIRECTLY OR INDIRECTLY, IN WHOLE OR IN PART, DUE TO THE INSTALLATION OF ANY MODIFIED PART AND/OR PART RECEIVED FROM AN UNAUTHORIZED SERVICE CENTER. If the warranty becomes void, Customer may purchase from Delfield, if available, a Service Agreement or service at the then current time and materials rate.

For more information on Delfield warranty's log on and check out the service section of our web site at www.delfield.com.

Delfield

Additional Three Year Protection Plan (for motor-compressor only)

In addition to the Standard Two Year Warranty on the Motor-Compressor contained in the above listed Delfield product (the "Unit"), The Delfield Company ("Delfield") also agrees to repair, or exchange with similar or interchangeable parts in design and capacity at Delfield's option, the defective Motor-Compressor contained in the Unit (the "Motor-Compressor), or any part thereof, for the Original Purchaser only, at any time during the three (3) years following the initial two (2) year period commencing on the date of installation for the Original Purchaser. **Failure of the Original Purchaser to register the registration card containing the Original Purchasers name, address, date of installation, model number and serial number of the Unit containing the Motor-Compressor within 30 days from the date of installation shall void this warranty.** This additional warranty is only available if the Motor-Compressor is inoperative due to defects in material or factory workmanship, as determined by Delfield in its sole judgment and discretion. The Original Purchaser shall be responsible for returning the defective Motor-Compressor to Delfield prepaid, F.O.B. at the address shown on the back cover of this manual.

The term "Original Purchaser" as used herein means that person, firm, association, or corporation for whom the Unit was originally installed.

The term "Motor-Compressor" as used herein does not include unit base, air or water cooled condenser, receiver, electrical accessories such as relay, capacitors, refrigerant controls, or condenser fan/motor assembly. This warranty does not cover labor charges incidental to the replacement of parts. This warranty further does not include any equipment to which said condensing unit is connected, such as cooling coils, temperature controls or refrigerant metering devices. This warranty shall be void if the Motor-Compressor, in Delfield's sole judgement, has been subjected to misuse, neglect, alteration or accident, operated contrary to the recommendations specified by the Unit manufacturer, repaired or altered by anyone other than Delfield in any way so as, in Delfield's sole judgment, to affect its quality or efficiency or if the serial number has been altered, defaced or removed. This Warranty does not apply to a Motor-Compressor in any Unit that has been moved from the location where it was originally installed. The addition of methyl chloride to the condensing unit or refrigeration system shall void this warranty.

General Conditions

Delfield shall not be liable in any manner for any default or delay in performance hereunder caused by or resulting from any contingency beyond Delfield's control, including, but not limited to, war, governmental restrictions or restraints, strike, lockouts, injunctions, fire, flood, acts of nature, short or reduced supply of raw materials, or discontinuance of any part or the MotorCompressor by the unit manufacturer.

Replacement of a defective Motor-Compressor is limited to one (1) Motor-Compressor by us during the three (3) year period. Delfield shall replace the Motor-Compressor at no charge.

This warranty does not give the Original Purchaser of the Motor-Compressor the right to purchase a complete replacement Motor-Compressor of the same make or of another make. It further does not permit the replacement to be made with a Motor-Compressor of another kind unless authorized by Delfield. In the event Delfield authorizes the Original Purchaser to purchase a replacement Motor-Compressor locally, only the wholesale cost of the Motor-Compressor is refundable.

Expressly excluded from this warranty are damages resulting

from spoilage of goods.

Except as provided in any applicable Standard Two Year Limited Warranty or applicable Service Labor Contract, the foregoing is exclusive and in lieu of all other warranties, whether written or oral, express or implied. This Warranty supersedes and excludes any prior oral or written representations or warranties. Delfield expressly disclaims any implied warranties of merchantability, fitness for a particular purpose or compliance with any law, treaty, rule or regulation relating to the Motor-Compressor, and the full liability of Delfield for any breach of this warranty, will be as provided in this warranty.

Other than any applicable Delfield Standard Two year Limited Warranty, this Delfield Additional Three Year Protection Plan and any applicable Delfield Service Labor Contract, the Original Purchaser agrees and acknowledges that no other warranties are offered or provided in connection with or for the Motor-Compressor or any part thereof.

In no event will Delfield be liable for special, incidental or consequential damages, or for damages in the nature of penalties.

Notes

Delfield

Mt. Pleasant, MI

Covington, TN

Thank you for choosing Delfield!

Help is a phone call away. Help our team of professional, courteous customer service reps by having your model number and serial number available at the time of your call (800) 733-8829.

Model: _____ S/N: _____

Installation Date: _____

Manitowoc STAR CERTIFIED SERVICE AND PARTS

For a list of Delfield's authorized parts depots, visit our website at www.delfield.com.

Delfield

980 S. Isabella Rd., Mt. Pleasant, MI 48858, U.S.A. • (989) 773-7981 or (800) 733-8829 • Fax (989) 773-3210 • www.delfield.com

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